

| | | | | | |
|---|---|----|---|--------------------------|----------------------|
| SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/815,730 |
| | | | | Filing Date | April 2, 2004 |
| | | | | First Named Inventor | James L. HARTLEY |
| | | | | Art Unit | 1645 |
| | | | | Examiner Name | Vogel, N. |
| Sheet | 1 | of | 1 | Attorney Docket Number | 0942.285000N/BJD/JKM |

| U.S. PATENT DOCUMENTS | | | | | |
|--|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| NV ↓ | AJ20 | 5,552,314 | 09/03/1996 | Greener, Alan L. | |
| | AK20 | 5,695,971 | 12/09/1997 | Kadokami <i>et al.</i> | |
| | AA21 | 5,910,438 | 06/08/1999 | Bernard <i>et al.</i> | |
| | AB21 | 5,994,136 | 11/30/1999 | Naldini <i>et al.</i> | |
| | AC21 | 6,025,192 | 02/15/2000 | Beach <i>et al.</i> | |
| | AD21 | 6,110,735 | 08/29/2000 | Chartier <i>et al.</i> | |
| | AE21 | 6,120,764 | 09/19/2000 | Graham <i>et al.</i> | |
| | AF21 | 6,121,043 | 09/19/2000 | Cochran <i>et al.</i> | |
| | AG21 | 6,140,087 | 10/31/2000 | Graham <i>et al.</i> | |
| | AH21 | 6,156,497 | 12/05/2000 | Kaleko | |
| | AI21 | 6,165,782 | 12/26/2000 | Naldini <i>et al.</i> | |
| | AJ21 | 6,228,646 | 05/08/2001 | Hardy | |
| | AK21 | 6,281,000 | 08/28/2001 | Chartier <i>et al.</i> | |
| | AA22 | 2003/0022179 A1 | 01/30/2003 | Chesnut <i>et al.</i> | |
| | AB22 | 2004/0132133 A1 | 07/08/2004 | Bennett, Robert P. | |
| | AC22 | 2004/0253620 A1 | 12/16/2004 | Leong <i>et al.</i> | |
| | AD22 | 2005/0069929 A1 | 03/31/2005 | Chestnut <i>et al.</i> | |
| | AE22 | 2005/0095615 A1 | 05/05/2005 | Welch <i>et al.</i> | |
| | AF22 | 2005/0176065 A1 | 08/11/2005 | Hanson, George Thomas | |
| | AG22 | 2005/0181417 A1 | 08/18/2005 | Miles <i>et al.</i> | |
| | AH22 | 2005/0208530 A1 | 09/22/2005 | Chesnut <i>et al.</i> | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|-----------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| NV ↓ ↓ ↓ ↓ ↓ | AM23 | WO 96/23904 A1 | 08/08/1996 | Replicon, Inc. | | |
| | AN23 | WO 97/47758 A1 | 12/18/1997 | Massachusetts Institute of Technology | | |
| | | WO 98/38326 A1 | 09/03/1998 | Nature Technology Corporation | | |
| | AO23 | | | | | |
| | AP23 | WO 2005/012487 A2 | 02/10/2005 | Invitrogen Corporation | | |
| | AL24 | WO 2005/014796 A2 | 02/17/2005 | Invitrogen Corporation | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

505378v1

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|----------------------|
| SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/815,730 |
| | | | | Filing Date | April 2, 2004 |
| | | | | First Named Inventor | James L. HARTLEY |
| | | | | Art Unit | 1645 |
| | | | | Examiner Name | Vogel, N. |
| Sheet | 1 | of | 3 | Attorney Docket Number | 0942.285000N/BJD/JKM |

| NON PATENT LITERATURE DOCUMENTS | | | |
|--|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published | T ² |
| NV ↓ V | AS214 | Alonso, J.C., "Site-specific recombination in Gram-positive theta-replicating plasmids," <i>FEMS Microbiol. Lett.</i> 142:1-10, Elsevier Science B.V. (August 1996) | |
| | AT214 | Amin, A.A., <i>et al.</i> , "Synthesis of an Enzymatically Active FLP Recombinase In Vitro: Search for a DNA-Binding Domain," <i>Molec. Cell. Biol.</i> 9: 1987-1995, American Society for Microbiology (1989) | |
| | AR215 | Bliska, J.B and Cozzarelli, N.R., "Use of Site-Specific Recombination as a Probe of DNA Structure and Metabolism <i>in Vivo</i> ," <i>J. Molec. Biol.</i> 194:205-218, Academic Press Inc. (1987) | |
| | AS215 | Chatterjee, P.K. and Sternberg, N.L., "Retrofitting High Molecular Weight DNA Cloned in P1: Introduction of Reporter Genes, Markers Selectable in Mammalian Cells and Generation of Nested Deletions," <i>Genet. Anal.: Biomolec. Eng.</i> 13:33-42, Elsevier Science B.V. (July 1996) | |
| | AT215 | Huang, L.-C., <i>et al.</i> , "A bacterial model system for chromosomal targeting," <i>Nucl. Acids Res.</i> 19:443-448, Oxford University Press (1991) | |
| | AR216 | Kanegae, Y., <i>et al.</i> , "Efficient gene activation in mammalian cells by using recombinant adenovirus expressing site-specific Cre recombinase," <i>Nucl. Acids Res.</i> 23:3816-3821, Oxford University Press (October 1995) | |
| | AS216 | Lieber, A., <i>et al.</i> , "Recombinant Adenoviruses with Large Deletions Generated by Cre-Mediated Excision Exhibit Different Biological Properties Compared with First-Generation Vectors In Vitro and In Vivo," <i>J. Virol.</i> 70:8944-8960, American Society for Microbiology (December 1996) | |
| | AT216 | Liu, X. and Gorovsky, M.A., "Mapping the 5' and 3' Ends of <i>Tetrahymena thermophelia</i> mRNAs Using RNA Ligase Mediated Amplification of cDNA Ends (RLM-RACE)," <i>Nucl. Acids Res.</i> 21:4954-4960, Oxford University Press (1993) | |
| | AR217 | Wang, Y. <i>et al.</i> , "Targeted DNA recombination in vivo using an adenovirus carrying the cre recombinase gene," <i>Proc. Natl. Acad. Sci. USA</i> 93:3932-3936, National Academy of Sciences (April 1996) | |
| | AS217 | Copy of Office Action for United States Patent Application No. 09/432,085, Hartley <i>et al.</i> , mailed June 16, 2005 | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|--------------------------|------------------|------------------------|----------------------|
| Substitute for form 1449/PTO | | Complete if Known | | | |
| SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Application Number | 10/815,730 | | |
| | | Filing Date | April 2, 2004 | | |
| | | First Named Inventor | James L. HARTLEY | | |
| | | Art Unit | 1645 | | |
| | | Examiner Name | Vogel, N. | | |
| Sheet | 2 | of | 3 | Attorney Docket Number | 0942.285000N/BJD/JKM |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published | T ² |
| NV | AT217 | Copy of Office Action for United States Patent Application No. 09/517,466, Hartley <i>et al.</i> , mailed November 18, 2005 | |
| | AR218 | Copy of Office Action for United States Patent Application No. 09/855,797, Hartley <i>et al.</i> , mailed April 20, 2005 | |
| | AS218 | Copy of Office Action for United States Patent Application No. 09/855,797, Hartley <i>et al.</i> , mailed October 11, 2005 | |
| | AT218 | Copy of Office Action for United States Patent Application No. 09/907,719, Hartley <i>et al.</i> , mailed July 26, 2005 | |
| | AR219 | Copy of Office Action for United States Patent Application No. 10/058,291, Hartley <i>et al.</i> , mailed April 28, 2005 | |
| | AS219 | Copy of Office Action for United States Patent Application No. 10/058,291, Hartley <i>et al.</i> , mailed October 21, 2005 | |
| | AT219 | Copy of Office Action for United States Patent Application No. 10/058,292, Hartley <i>et al.</i> , mailed May 26, 2005 | |
| | AR220 | Copy of Office Action for United States Patent Application No. 10/058,292, Hartley <i>et al.</i> , mailed November 18, 2005 | |
| | AS220 | Copy of Office Action for United States Patent Application No. 10/151,690, Brasch <i>et al.</i> , mailed April 18, 2005 | |
| | AT220 | Copy of Office Action for United States Patent Application No. 10/162,879, Hartley <i>et al.</i> , mailed April 28, 2005 | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/815,730 |
| | | | | Filing Date | April 2, 2004 |
| | | | | First Named Inventor | James L. HARTLEY |
| | | | | Art Unit | 1645 |
| | | | | Examiner Name | Vogel, N. |
| Sheet | 3 | of | 3 | Attorney Docket Number | 0942.285000N/BJD/JKM |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published | T ² |
| NV | AR221 | Copy of Office Action for United States Patent Application No. 10/162,879, Hartley <i>et al.</i> , mailed October 20, 2005 | |
| | AS221 | United States Patent Application No. 11/106,715, Byrd <i>et al.</i> , filed April 15, 2005 | |
| | AT221 | United States Patent Application No. 11/249,274, Hartley <i>et al.</i> , filed October 14, 2005 | |
| | AR222 | United States Patent Application No. 11/251,821, Brasch <i>et al.</i> , filed October 18, 2005 | |
| ↓ | AS222 | United States Patent Application No. 11/290,804, Gray <i>et al.</i> , filed December 1, 2005 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

505508v1

| | | | |
|--------------------|---------------|-----------------|------------|
| Examiner Signature | /Nancy Vogel/ | Date Considered | 09/25/2006 |
|--------------------|---------------|-----------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

FORM PTO-1489

FIRST SUPPLEMENTAL

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730INVENTORS(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|------|-----------------|------------|------------------------|-------|-----------|-------------|
| NV | AA20 | 5,451,513 | 09/19/1995 | Maliga <i>et al.</i> | | | 08/25/1993 |
| | AB20 | 6,040,138 | 03/21/2000 | Lockhart <i>et al.</i> | | | 09/15/1995 |
| | AC20 | 6,303,301 | 10/16/2001 | Mack | | | 05/29/1998 |
| | AD20 | 6,309,822 | 10/30/2001 | Fodor <i>et al.</i> | | | 12/23/1996 |
| | AE20 | 6,333,155 | 12/25/2001 | Lockhart <i>et al.</i> | | | 12/18/1998 |
| | AF20 | 6,544,790 | 04/08/2003 | Sabatini | | | 09/18/2000 |
| | AG20 | 2002/0162126 | 10/31/2002 | Beach <i>et al.</i> | | | 05/24/2001 |
| | AH20 | 2003/0135888 | 07/17/2003 | Zhu <i>et al.</i> | | | 09/26/2002 |
| | AI20 | 2003/0175772 | 09/18/2003 | Wang | | | 12/26/2002 |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|------|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL20 | FR 2 670 502 | 06/16/1992 | France | | | Yes X No |
| NV | AM20 | WO 92/10577 | 06/25/1992 | WIPO | | | Yes X No |
| NV | AN20 | WO 94/20604 | 09/15/1994 | WIPO | | | Yes No |
| NV | AO20 | WO 00/29000 | 05/25/2000 | WIPO | | | Yes No |
| NV | AP20 | WO 00/52027 | 09/08/2000 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|--|
| NV | AR | 200 | Agah, R., <i>et al.</i> , "Gene Recombination in Postmitotic Cells. Targeted Expression of Cre Recombinase Provokes Cardiac-restricted, Site-specific Rearrangement in Adult Ventricular Muscle In Vivo," <i>J. Clin. Invest.</i> 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997) |
| NV | AS | 200 | Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> 290:304-310, Macmillan Journals, Ltd. (1981) |
| NV | AT | 200 | Botstein, D., <i>et al.</i> , "Making Mutations In Vitro and Putting Them Back Into Yeast," in <i>From Gene to Protein: Translation into Biotechnology</i> , Ahmad, F., <i>et al.</i> , eds., Academic Press, New York, NY, pp. 265-274 (1982) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|------|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL21 | WO 00/52141 | 09/08/2000 | WIPO | | | Yes No |
| NV | AM21 | WO 01/25466 | 04/12/2001 | WIPO | | | Yes No |
| NV | AN21 | WO 01/42509 | 06/14/2001 | WIPO | | | Yes No |
| NV | AO21 | WO 02/46372 | 06/13/2002 | WIPO | | | Yes No |
| NV | AP21 | WO 02/62957 | 08/15/2002 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 201 | Broach, J.R., "The Yeast Plasmid 2 μ Circle," <i>Cell</i> 28:203-204, MIT (1982) |
| NV | AS | 201 | Cenatiempo, Y., "Prokaryotic gene expression <i>in vitro</i> : transcription-translation coupled systems," <i>Biochimie</i> 68:505-515, Elsevier (1986) |
| NV | AT | 201 | Christiansen, B., <i>et al.</i> , "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," <i>J. Bacteriol.</i> 178:5164-5173, American Society for Microbiology (September 1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|------|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL22 | WO 02/86144 | 10/31/2002 | WIPO | | | Yes |
| NV | AM22 | WO 02/095055 | 11/28/2002 | WIPO | | | No |
| NV | AN22 | WO 03/044207 | 05/30/2003 | WIPO | | | Yes |
| NV | AO22 | WO 04/009768 | 01/29/2004 | WIPO | | | No |
| NV | AP22 | WO 04/013290 | 02/12/2004 | WIPO | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 202 | Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the Junction of the Circular Form of the <i>Clostridium perfringens</i> Transposon Tn4451," <i>J. Bacteriol.</i> 179:5148-5156, American Society for Microbiology (August 1997) |
| NV | AS | 202 | Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA</i> 95:2152-2157, National Academy of Sciences (March 1998) |
| NV | AT | 202 | Golic, K.G. and Golic, M.M., "Engineering the Drosophila Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of America (1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|------|-----------------|------------|---------|-------|-----------|-------------|
| | AL23 | WO 01/68836 | 09/20/2001 | WIPO | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>203</u> | Gottesman, S., "Bacterial Regulation: Global Regulatory Networks," <i>Ann. Rev. Genet.</i> 18:415-441, Annual Reviews, Inc. (1984) |
| NV | AS | <u>203</u> | Guo, F., <i>et al.</i> , "Structure of Cre recombinase complexed with DNA in a site-specific recombination synapse," <i>Nature</i> 389:40-46, Nature Publishing Group (September 1997) |
| NV | AT | <u>203</u> | Hallet, B. and Sherratt, D.J., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements," <i>FEMS Microbiol. Rev.</i> 21:157-178, Elsevier Science B.V. (September 1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>204</u> | Hamer, D.H. and Walling, M., "Regulation <i>In Vivo</i> of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <i>J. Mol. Appl. Genet.</i> 1:273-288, Raven Press (1982) |
| NV | AS | <u>204</u> | Hanks, S.K. and Hunter, T., "The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification," <i>FASEB J.</i> 9:576-596, The Federation of American Societies for Experimental Biology (May 1995) |
| NV | AT | <u>204</u> | Huang, L-C., <i>et al.</i> , "Convenient and Reversible Site-Specific Targeting of Exogenous DNA into a Bacterial Chromosome by Use of the FLP Recombinase: the FLIRT System," <i>J. Bacteriol.</i> 179:6076-6083, American Society for Microbiology (October 1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 205 | John, Jr., J.F. and Twitty, J.A., "Plasmids as Epidemiologic Markers in Nosocomial Gram-Negative Bacilli: Experience at a University and Review of the Literature," <i>Rev. Infect. Dis.</i> 8:693-704, University of Chicago (1986) |
| NV | AS | 205 | Johnston, S.A. and Hopper, J.E., "Isolation of the yeast regulatory gene <i>GAL4</i> and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982) |
| NV | AT | 205 | Kendall, K.J. and Cohen, S.N., "Plasmid Transfer in <i>Streptomyces lividans</i> : Identification of a <i>kil-kor</i> System Associated with the Transfer Region of pIJ101," <i>J. Bacteriol.</i> 169:4177-4183, American Society for Microbiology (1987) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730INVENTORS(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>206</u> | Lyznik, L.A., <i>et al.</i> , "Activity of yeast FLP recombinase in maize and rice protoplasts," <i>Nucleic Acids Res.</i> 21:969-975, Oxford University Press (1993) |
| NV | AS | <u>206</u> | Maniatis, T., "Recombinant DNA Procedures in the Study of Eukaryotic Genes," in <i>Cell Biology: A Comprehensive Treatise, Volume 3, Gene Expression: The Production of RNA's</i> , Goldstein, L., and Prescott, D.M., eds., Academic Press, Inc., New York, NY, pp. 563-608 (1980) |
| NV | AT | <u>206</u> | Mayer, B.J. and Baltimore, D., "Signalling through SH2 and SH3 domains," <i>Trends Cell Biol.</i> 3:8-13, Elsevier Science (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>207</u> | McKnight, S.L., "Functional Relationships between Transcriptional Control Signals of the Thymidine Kinase Gene of Herpes Simplex Virus," <i>Cell</i> 31:355-365, MIT (1982) |
| NV | AS | <u>207</u> | Nunes-Duby, S.E., <i>et al.</i> , "λ Integrase cleaves DNA <i>in cis</i> ," <i>EMBO J.</i> 13:4421-4430, Oxford University Press (1994) |
| NV | AT | <u>207</u> | Odell, J., <i>et al.</i> , "Site-directed recombination in the genome of transgenic tobacco," <i>Mol. Gen. Genet.</i> 223:369-378, Springer-Verlag (1990) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 208 | Peterson, B.Ø. and Shuman, S., "Hisitidine 265 Is Important for Covalent Catalysis by Vaccinia Topoisomerase and Is Conserved in All Eukaryotic Type I Enzymes," <i>J. Biol. Chem.</i> 272:3891-3896, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997) |
| NV | AS | 208 | Rausch, H. and Lehmann, M., "Structural analysis of the actinophage ΦC31 attachment site," <i>Nucleic Acids Res.</i> 19:5187-5189, IRL Press (1991) |
| NV | AT | 208 | Sadowski, I., <i>et al.</i> , "A Noncatalytic Domain Conserved among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 ^{gag-fps} ," <i>Mol. Cell. Biol.</i> 6:4396-4408, American Society for Microbiology (1986) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 209 | Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990) |
| NV | AS | 209 | Senecoff, J.F., <i>et al.</i> , "The FLP recombinase of the yeast 2- μ m plasmid: Characterization of its recombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of Sciences (1985) |
| NV | AT | 209 | Shaikh, A.C. and Sadowski, P.D., "The Cre Recombinase Cleaves the <i>lox</i> Site in <i>trans</i> ," <i>J. Biol. Chem.</i> 272:5695-5702, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730INVENTORS(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>210</u> | Shirai, M., <i>et al.</i> , "Site-Specific Integration of the Actinophage R4 Genome into the Chromosome of <i>Streptomyces parvulus</i> upon Lysogenization," <i>J. Bacteriol.</i> 173:4237-4239, American Society for Microbiology (1991) |
| NV | AS | <u>210</u> | Shuman, S., <i>et al.</i> , "Characterization of Vaccinia Virus DNA Topoisomerase I Expressed in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 263:16401-16407, The American Society for Biochemistry and Molecular Biology, Inc. (1988) |
| NV | AT | <u>210</u> | Shuman, S., "Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:11372-11379, The American Society for Biochemistry and Molecular Biology, Inc. (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>211</u> | Shuman, S., "Erratum: Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:20576-20577, The American Society for Biochemistry and Molecular Biology, Inc. (1991) |
| NV | AS | <u>211</u> | Silver, P.A., <i>et al.</i> , "Amino terminus of the yeast <i>GAL4</i> gene product is sufficient for nuclear localization," <i>Proc. Natl. Acad. Sci. USA</i> 81:5951-5955, National Academy of Sciences (1984) |
| NV | AT | <u>211</u> | Stark, W.M., <i>et al.</i> , "Catalysis by site-specific recombinases," <i>Trends Genet.</i> 8:432-439, Elsevier Science (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET No.
0942.285000N/BJD/JKM

APPLICATION No.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>212</u> | Ulmanen, I., <i>et al.</i> , "Transcription and Translation of Foreign Genes in <i>Bacillus subtilis</i> by the Aid of a Secretion Vector," <i>J. Bacteriol.</i> 162:176-182, American Society for Microbiology (1985) |
| NV | AS | <u>212</u> | van Deursen, J., <i>et al.</i> , "Cre-mediated site-specific translocation between nonhomologous mouse chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 92:7376-7380, National Academy of Sciences (1995) |
| NV | AT | <u>212</u> | Ward, J.M., <i>et al.</i> , "Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>213</u> | Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554 |
| NV | AS | <u>213</u> | Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201 |
| NV | AT | <u>213</u> | Baum, J.A., "Tn5401, a New Class II Transposable Element From <i>Bacillus thuringiensis</i> ," <i>J. Bacteriol.</i> 176:2835-2845, American Society for Microbiology (1994) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000N/BJD/JKM

APPLICATION NO.
10/815,730

INVENTORS(S)
Hartley *et al.*

FILING DATE
April 2, 2004

ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

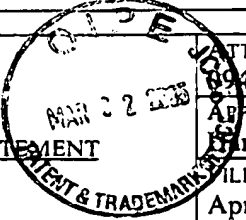
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|--|
| NV | AR | 214 | Short, J.M., <i>et al.</i> , "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Res.</i> 16:7583-7600, Oxford University Press (1988). |
| | AS | | |
| | AT | | |

EXAMINER /Nancy Vogel/

DATE CONSIDERED 09/27/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| | | | | | | |
|--|--|--------------|---|-----------------------|-----------------|-------------|
| Page 1 of 121 | | | | | | |
| FORM PTO-1449 |  | | | | | |
| INFORMATION DISCLOSURE STATEMENT | | | | | | |
| PATENT DOCKET NO. 8942.285000N/BJD/JKM APPLICATION NO. 10/815,730 APPLICANT(S) Bartley <i>et al.</i> FILING DATE April 2, 2004 ART UNIT 1645 | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| NV | AAI | 4,626,505 | 12/02/1986 | Falco | | 02/24/1984 |
| NV | ABI | 4,673,640 | 06/16/1987 | Backman | | 04/30/1984 |
| NV | ACI | 4,683,195 | 07/28/1987 | Mullis <i>et al.</i> | | 02/07/1986 |
| NV | ADI | 4,683,202 | 07/28/1987 | Mullis | | 10/25/1985 |
| NV | AEI | 4,743,546 | 05/10/1988 | Backman <i>et al.</i> | | 04/29/1987 |
| NV | AFI | 4,808,537 | 02/28/1989 | Stroman <i>et al.</i> | | 10/30/1984 |
| NV | AGI | 4,855,231 | 08/08/1989 | Stroman <i>et al.</i> | | 09/25/1985 |
| NV | AHI | 4,959,317 | 09/25/1990 | Sauer | | 06/17/1987 |
| NV | AII | 4,959,217 | 09/25/1990 | Sanders <i>et al.</i> | | 05/22/1986 |
| NV | AJI | 4,965,188 | 10/23/1990 | Mullis <i>et al.</i> | | 11/01/1989 |
| NV | AKI | 5,093,257 | 03/03/1992 | Gray | | 05/26/1989 |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| NV | ALI | EP 0 160 571 | 11/06/1985 | Europe | | Yes No |
| NV | AMI | EP 0 220 009 | 04/29/1987 | Europe | | Yes No |
| NV | ANI | EP 0 300 422 | 01/25/1989 | Europe | | Yes No |
| NV | AOI | WO 90/11375 | 10/04/1990 | WIPO | | Yes No |
| NV | API | WO 91/02801 | 03/07/1991 | WIPO | | Yes No |
| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | |
| NV | AR | 1 | Abremski, K., <i>et al.</i> , "Bacteriophage P1 Cre- <i>loxP</i> Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261:391-396, American Society for Biochemistry and Molecular Biology (1986) | | | |
| NV | AS | 1 | Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology (1984) | | | |
| NV | AT | 1 | Abremski, K., <i>et al.</i> , "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," <i>Cell</i> 32:1301-1311, Cell Press (1993) | | | |
| EXAMINER | | | | | DATE CONSIDERED | |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. | | | | | | |

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|---------------------------|-------|-----------|-------------|
| NV | AA2 | 5,102,797 | 04/07/1992 | Tucker <i>et al.</i> | | | 01/19/1990 |
| NV | AB2 | 5,159,062 | 10/27/1992 | Knapp <i>et al.</i> | | | 10/01/1990 |
| NV | AC2 | 5,227,288 | 07/13/1993 | Blattner | | | 01/09/1991 |
| NV NV | AD2 | 5,286,632 | 02/15/1994 | Jones | | | 07/16/1992 |
| NV | AE2 | 5,334,375 | 08/02/1994 | Nabi <i>et al.</i> | | | 10/15/1993 |
| NV | AF2 | 5,334,575 | 08/02/1994 | Noonan <i>et al.</i> | | | 12/17/1992 |
| NV | AG2 | 5,348,886 | 09/20/1994 | Lee <i>et al.</i> | | | 09/04/1992 |
| NV | AH2 | 5,354,668 | 10/11/1994 | Auerbach | | | 09/29/1992 |
| NV | AI2 | 5,378,618 | 01/03/1995 | Sternberg <i>et al.</i> | | | 03/15/1994 |
| NV NV | AJ2 | 5,434,066 | 07/18/1995 | Bebbee <i>et al.</i> | | | 12/21/1993 |
| NV | AK2 | 5,470,727 | 11/28/1995 | Mascarenhas <i>et al.</i> | | | 01/29/1993 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL2 | EP 0 427 074 | 05/15/1991 | Europe | | | Yes No |
| NV | AM2 | WO 91/09957 | 07/11/1991 | WIPO | | | Yes No |
| NV | AN2 | WO 91/16427 | 10/31/1991 | WIPO | | | Yes No |
| NV | AO2 | WO 92/15694 | 09/17/1992 | WIPO | | | Yes No |
| NV | AP2 | WO 92/20791 | 11/26/1992 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| NV | AR | 2 | Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ <i>xis</i> Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257:9658-9662, American Society for Biochemistry and Molecular Biology (1982) |
| NV | AS | 2 | Adams, D.E., <i>et al.</i> , "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," <i>J. Mol. Biol.</i> 226:661-673, Academic Press (1992) |
| NV | AT | 2 | Akagi, K., <i>et al.</i> , "Cre-mediated somatic site-specific recombination in mice," <i>Nucl. Acids Res.</i> 25:1766-1773, Oxford University Press (May 1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|------------------------|-------|-----------|-------------|
| NV | AA3 | 5,527,695 | 06/18/1996 | Hodges <i>et al.</i> | | | 02/03/1995 |
| NV | AB3 | 5,591,609 | 01/07/1997 | Auerbach | | | 02/17/1994 |
| NV | AC3 | 5,605,793 | 02/25/1997 | Stemmer | | | 09/26/1995 |
| NV | AD3 | 5,614,389 | 03/25/1997 | Auerbach | | | 01/20/1995 |
| NV | AE3 | 5,635,381 | 06/03/1997 | Hooykaas <i>et al.</i> | | | 06/07/1995 |
| NV | AF3 | 5,650,308 | 07/22/1997 | Baum | | | 06/07/1995 |
| NV | AG3 | 5,650,557 | 07/22/1997 | Hannah <i>et al.</i> | | | 07/27/1994 |
| NV | AH3 | 5,654,182 | 08/05/1997 | Wahl <i>et al.</i> | | | 06/07/1995 |
| NV | AI3 | 5,658,772 | 08/19/1997 | Odell <i>et al.</i> | | | 03/02/1994 |
| NV | AJ3 | 5,677,170 | 10/14/1997 | Devine <i>et al.</i> | | | 06/07/1995 |
| NV | AK3 | 5,677,177 | 10/14/1997 | Wahl <i>et al.</i> | | | 07/29/1996 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL3 | WO 92/22650 | 12/23/1992 | WIPO | | | Yes No |
| NV | AM3 | EP 0 542 466 | 05/19/1993 | Europe | | | Yes No |
| NV | AN3 | WO 93/15191 | 08/05/1993 | WIPO | | | Yes No |
| NV | AO3 | WO 93/19172 | 09/30/1993 | WIPO | | | Yes No |
| NV | AP3 | CA 2,141,412 | 02/17/1994 | Canada | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| NV | AR | 3 | Aladjem, M.I., <i>et al.</i> , "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," <i>Mol. Cell. Biol.</i> 17:857-861, American Society for Microbiology (February 1997) |
| NV | AS | 3 | Albert, H., <i>et al.</i> , "Site-specific Integration of DNA into wild-type and mutant <i>lox</i> sites placed in the plant genome," <i>Plant J.</i> 7:649-659, Blackwell Science Ltd. (1995) |
| NV | AT | 3 | Andrews, B.J., <i>et al.</i> , "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," <i>Cell</i> 40:795-803, Cell Press (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|-----|-----------------|------------|-----------------------|-------|-----------|-------------|
| NV | AA4 | 5,710,248 | 01/20/1998 | Grose | | | 06/07/1995 |
| | AB4 | 5,723,765 | 03/03/1998 | Oliver <i>et al.</i> | | | 03/02/1995 |
| | AC4 | 5,728,551 | 03/17/1998 | Devine <i>et al.</i> | | | 02/01/1996 |
| | AD4 | 5,733,733 | 03/31/1998 | Auerbach | | | 06/10/1996 |
| | AE4 | 5,733,743 | 03/31/1998 | Johnson <i>et al.</i> | | | 03/08/1996 |
| | AF4 | 5,744,336 | 04/28/1998 | Hodges <i>et al.</i> | | | 02/13/1985 |
| | AG4 | 5,766,891 | 06/16/1998 | Shuman | | | 12/19/1994 |
| | AH4 | 5,776,449 | 07/07/1998 | Baum <i>et al.</i> | | | 09/20/1996 |
| | AI4 | 5,801,030 | 09/01/1998 | McVey <i>et al.</i> | | | 09/01/1995 |
| | AJ4 | 5,814,300 | 09/29/1998 | Scott <i>et al.</i> | | | 03/03/1995 |
| | AK4 | 5,830,707 | 11/03/1998 | Bushman | | | 06/05/1995 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL4 | WO 94/03624 | 02/17/1994 | WIPO | | | Yes No |
| NV | AM4 | WO 94/09127 | 04/28/1994 | WIPO | | | Yes No |
| NV | AN4 | WO 94/17176 | 08/04/1994 | WIPO | | | Yes No |
| NV | AO4 | WO 94/18333 | 08/18/1994 | WIPO | | | Yes No |
| NV | AP4 | WO 95/00555 | 01/05/1995 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| NV | AR | 4 | Andrews, B.J., <i>et al.</i> , "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2µm Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology (1986) |
| NV | AS | 4 | Angelastro, J.M., <i>et al.</i> , "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences (September 2000) |
| NV | AT | 4 | Angrand, P.O., <i>et al.</i> , "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," <i>Nucl. Acids Res.</i> 26:3263-3269, Oxford University Press (July 1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|-----------------|------------|------------------------|-------|-----------|-------------|
| NV | AA5 | 5,837,242 | 11/17/1998 | Holliger <i>et al.</i> | | | 05/14/1996 |
| | AB5 | 5,837,458 | 11/17/1998 | Minshull <i>et al.</i> | | | 05/20/1996 |
| | AC5 | 5,843,772 | 12/01/1998 | Devine <i>et al.</i> | | | 11/18/1994 |
| | AD5 | 5,851,808 | 12/22/1998 | Elledge <i>et al.</i> | | | 02/28/1997 |
| | AE5 | 5,858,657 | 01/12/1999 | Winter <i>et al.</i> | | | 06/07/1995 |
| | AF5 | 5,871,907 | 02/16/1999 | Winter <i>et al.</i> | | | 03/31/1994 |
| | AG5 | 5,874,259 | 02/23/1999 | Szybalski | | | 11/21/1997 |
| | AH5 | 5,888,732 | 03/30/1999 | Hartley <i>et al.</i> | | | 06/07/1996 |
| | AI5 | 5,916,804 | 06/29/1999 | Bushman | | | 04/17/1998 |
| | AJ5 | 5,919,676 | 07/06/1999 | Graham <i>et al.</i> | | | 06/07/1995 |
| | AK5 | 5,928,914 | 07/27/1999 | Leboulch <i>et al.</i> | | | 11/05/1996 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL5 | WO 96/04393 | 02/19/1996 | WIPO | | | Yes No |
| NV | AM5 | WO 96/19497 | 06/27/1996 | WIPO | | | Yes No |
| NV | AN5 | WO 96/30498 | 10/03/1996 | WIPO | | | Yes No |
| NV | AO5 | WO 96/40722 | 12/19/1996 | WIPO | | | Yes No |
| NV | AP5 | WO 96/40724 | 12/19/1996 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| NV | AR | 5 | Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology (1995) |
| NV | AS | 5 | Araki, H., <i>et al.</i> , "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press, Inc., New York, NY (1992) |
| NV | AT | 5 | Astumian, J.H., <i>et al.</i> , "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology (1989) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|-----------------|------------|---------------------------|-------|-----------|-------------|
| NV | AA6 | 5,929,307 | 07/27/1999 | Hodges <i>et al.</i> | | | 12/20/1996 |
| | AB6 | 5,962,255 | 10/05/1999 | Griffiths <i>et al.</i> | | | 12/05/1994 |
| | AC6 | 5,981,177 | 11/09/1999 | Demirjian <i>et al.</i> | | | 01/25/1995 |
| | AD6 | 5,989,872 | 11/22/1999 | Luo <i>et al.</i> | | | 08/12/1997 |
| | AE6 | 6,010,884 | 01/04/2000 | Griffiths <i>et al.</i> | | | 05/29/1996 |
| | AF6 | 6,040,430 | 03/21/2000 | Stewart | | | 12/26/1995 |
| | AG6 | 6,066,778 | 05/23/2000 | Ginsburg, <i>et al.</i> | | | 11/06/1996 |
| | AH6 | 6,063,627 | 06/16/2000 | McVey <i>et al.</i> | | | 02/25/1998 |
| | AI6 | 6,080,576 | 06/27/2000 | Zambrowicz, <i>et al.</i> | | | 04/08/1998 |
| | AJ6 | 6,143,557 | 11/07/2000 | Hartley <i>et al.</i> | | | 01/20/1999 |
| | AK6 | 6,171,861 | 01/09/2001 | Hartley <i>et al.</i> | | | 01/12/1998 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL6 | WO 97/06265 | 02/20/1997 | WIPO | | | Yes No |
| NV | AM6 | WO 97/09436 | 03/13/1997 | WIPO | | | Yes No |
| NV | AN6 | WO 97/25446 | 07/17/1997 | WIPO | | | Yes No |
| NV | AO6 | WO 97/32481 | 09/12/1997 | WIPO | | | Yes No |
| NV | AP6 | WO 98/10086 | 03/12/1998 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| NV | AR | 6 | Atlung, T., <i>et al.</i> , "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier Science (1991) |
| NV | AS | 6 | Ausubel, F.M., <i>et al.</i> , "Maps of Plasmids pBR322 and pUC19," in <i>Short Protocols in Molecular Biology, Third Edition</i> , John Wiley & Sons, Inc., Boston, MA, pp. 1.12-1.13 (1995) |
| NV | AT | 6 | Ayres, E.K., <i>et al.</i> , "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX) The <i>trfA</i> Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," <i>J. Mol. Biol.</i> 230:174-185, Academic Press (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: NV Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|-----------------|------------|---------------------------|-------|-----------|-------------|
| NV | AA7 | 6,225,121 | 05/01/2001 | Savakis, C. <i>et al.</i> | | | 04/27/1998 |
| | AB7 | 6,262,341 | 07/17/2001 | Baszczynski <i>et al.</i> | | | 11/17/1998 |
| | AC7 | 6,270,969 | 08/07/2001 | Hartley <i>et al.</i> | | | 01/20/1999 |
| | AD7 | 6,271,436 | 08/07/2001 | Piedrahita <i>et al.</i> | | | 10/10/1997 |
| | AE7 | 6,277,608 | 08/21/2001 | Hartley <i>et al.</i> | | | 04/22/1999 |
| | AF7 | 2002/0007051 | 01/17/2002 | Cheo <i>et al.</i> | | | 12/11/2000 |
| | AG7 | 6,361,972 | 03/26/2002 | Harrington <i>et al.</i> | | | 01/10/2000 |
| | AH7 | 6,365,377 | 04/02/2002 | Patten <i>et al.</i> | | | 03/03/2000 |
| | AI7 | 2002/0068290 | 06/06/2002 | Yarovinsky | | | 05/31/2001 |
| | AJ7 | 6,410,266 | 06/25/2002 | Harrington <i>et al.</i> | | | 01/07/2000 |
| | AK7 | 6,410,317 | 06/25/2002 | Farmer | | | 07/14/2000 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL7 | WO 98/53056 | 11/26/1998 | WIPO | | | Yes X No |
| NV | AM7 | WO 99/10488 | 03/04/1999 | WIPO | | | Yes No |
| NV | AN7 | WO 99/21977 | 05/06/1999 | WIPO | | | Yes No |
| NV | AO7 | WO 99/25851 | 05/27/1999 | WIPO | | | Yes X No |
| NV | AP7 | WO 99/55851 | 11/04/1999 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|---|
| NV | AR | 1 | Babineau, D., <i>et al.</i> , "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985) |
| NV | AS | 1 | Backman, K., <i>et al.</i> , "Use of Synchronous Site-Specific Recombination <i>In Vivo</i> to Regulate Gene Expression," <i>BioTechnology</i> 2:1045-1049 (1984) |
| NV | AT | 1 | Bai, C., <i>et al.</i> , "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," <i>Cell</i> 86:263-274, Cell Press (July 1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730

APPLICANT(S)

Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|-----------------|------------|--------------------------|-------|-----------|-------------|
| NV | AA8 | 2002/0094574 | 07/18/2002 | Hartley <i>et al.</i> | | | 05/16/2001 |
| | AB8 | 2002/0106797 | 08/08/2002 | Miles <i>et al.</i> | | | 03/12/2001 |
| | AC8 | 6,436,707 | 08/20/2002 | Zambrowicz <i>et al.</i> | | | 03/25/1999 |
| | AD8 | 2002/0172997 | 11/21/2002 | Hartley <i>et al.</i> | | | 07/19/2001 |
| | AE8 | 2002/0182731 | 12/05/2002 | Ji <i>et al.</i> | | | 01/25/2002 |
| | AF8 | 2002/0192819 | 12/19/2002 | Hartley <i>et al.</i> | | | 07/19/2001 |
| | AG8 | 2003/0027289 | 02/06/2003 | Farmer | | | 04/05/2002 |
| | AH8 | 2003/0027337 | 02/06/2003 | Droge <i>et al.</i> | | | 02/25/2002 |
| | AI8 | 2003/0054552 | 03/20/2003 | Hartley <i>et al.</i> | | | 01/30/2002 |
| | AJ8 | 2003/0054555 | 03/20/2003 | Farmer <i>et al.</i> | | | 09/17/2002 |
| | AK8 | 2003/0059900 | 03/27/2003 | Farmer | | | 01/17/2002 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL8 | WO 00/12687 | 03/09/2000 | WIPO | | | Yes No |
| NV | AM8 | EP 1 035 208 | 09/13/2000 | Europe | | | Yes No |
| NV | AN8 | WO 00/60091 | 10/12/2000 | WIPO | | | Yes No |
| | AO8 | WO 01/05961 | 01/25/2001 | WIPO | | | Yes No |
| NV | AP8 | WO 01/07572 | 02/01/2001 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| NV | AR | § | Balakrishnan, R., <i>et al.</i> , "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for <i>att</i> -Int-mediated rearrangement and <i>p_L</i> expression vectors," <i>Gene</i> 138:101-104, Elsevier Science (January 1994) |
| NV | AS | § | Ball, C.A., and Johnson, R.C., "Efficient Excision of Phage λ from the <i>Escherichia coli</i> Chromosome Requires the Fis Protein," <i>J. Bacteriol.</i> 173: 4027-4031, American Society for Microbiology (July 1991) |
| NV | AT | § | Barnes, G., and Rine, J., "Regulated expression of endonuclease <i>EcoRI</i> in <i>Saccharomyces cerevisiae</i> : Nuclear entry and biological consequences," <i>Proc. Natl. Acad. Sci. USA</i> 82: 1354-1358, National Academy of Sciences (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|-----------------|------------|-----------------------|-------|-----------|-------------|
| NV | AA9 | 2003/0064515 | 04/03/2003 | Hartley <i>et al.</i> | | | 01/30/2002 |
| NV | AB9 | 2003/0068799 | 04/10/2003 | Hartley <i>et al.</i> | | | 06/06/2002 |
| | AC9 | 2003/0077804 | 04/24/2003 | Byrd <i>et al.</i> | | | 04/19/2002 |
| | AD9 | 2003/0100110 | 05/29/2003 | Hartley <i>et al.</i> | | | 11/02/1999 |
| | AE9 | 2003/0124555 | 07/03/2003 | Brasch <i>et al.</i> | | | 05/21/2002 |
| | AF9 | 2003/0153055 | 08/14/2003 | Miles <i>et al.</i> | | | 02/20/2003 |
| | AG9 | 2003/0157662 | 08/21/2003 | Gerard <i>et al.</i> | | | 11/13/2002 |
| | AH9 | 2003/0157716 | 08/21/2003 | Hartley <i>et al.</i> | | | 11/02/2001 |
| | AI9 | 2003/0175970 | 09/18/2003 | Hartley <i>et al.</i> | | | 11/21/2002 |
| | AJ9 | 2003/0176644 | 09/18/2003 | Byrd <i>et al.</i> | | | 02/07/2002 |
| | AK9 | 2003/0186233 | 10/02/2003 | Chesnut <i>et al.</i> | | | 12/07/2001 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL9 | WO 01/11058 | 02/15/2001 | WIPO | | | Yes No |
| NV | AM9 | WO 01/31039 | 05/03/2001 | WIPO | | | Yes No |
| NV | AN9 | WO 01/62892 | 08/30/2001 | WIPO | | | Yes No |
| NV | AO9 | WO 02/00875 | 01/03/2002 | WIPO | | | Yes No |
| NV | AP9 | WO 02/05294 | 01/17/2002 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|---|--|
| NV | AR | 2 | Bauer, C.E., <i>et al.</i> , "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," <i>J. Mol. Biol.</i> 181:187-197, Academic Press Inc. (1985) |
| NV | AS | 2 | Bayley, C.C., <i>et al.</i> , "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic (1992) |
| NV | AT | 2 | Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccdb Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|-----------------|------------|-----------------------|-------|-----------|-------------|
| NV | AA10 | 2003/0220249 | 11/27/2003 | Hackett <i>et al.</i> | | | 02/07/2003 |
| | AB10 | 2004/0040053 | 02/26/2004 | Nomura <i>et al.</i> | | | 11/22/2002 |
| | AC10 | 2004/0053412 | 03/18/2004 | Hartley <i>et al.</i> | | | 03/26/2003 |
| | AD10 | 2004/0063207 | 04/01/2004 | Hartley <i>et al.</i> | | | 10/08/2003 |
| | AE10 | 6,720,140 | 04/13/2004 | Hartley <i>et al.</i> | | | 02/04/2000 |
| | AF10 | 2004/0171156 | 09/02/2004 | Hartley <i>et al.</i> | | | 04/02/2004 |
| | AG10 | 2004/0171157 | 09/02/2004 | Hartley <i>et al.</i> | | | 04/08/2004 |
| | AH10 | 2004/0219516 | 11/04/2004 | Bennett <i>et al.</i> | | | 07/18/2003 |
| | AI10 | 2004/0219673 | 11/04/2004 | Hartley <i>et al.</i> | | | 03/10/2004 |
| | AJ10 | 2004/0229229 | 11/18/2004 | Cheo <i>et al.</i> | | | 08/14/2003 |
| | AK10 | 2004/0253631 | 12/16/2004 | Hartley <i>et al.</i> | | | 07/19/2004 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|------|-----------------|------------|---------|-------|-----------|-------------|
| NV | AL10 | WO 02/08391 | 01/31/2002 | WIPO | | | Yes No |
| NV | AM10 | WO 02/16594 | 02/28/2002 | WIPO | | | Yes No |
| NV | AN10 | WO 02/61034 | 08/08/2002 | WIPO | | | Yes No |
| NV | AO10 | WO 03/25161 | 03/27/2003 | WIPO | | | Yes No |
| NV | AP10 | WO 03/103600 | 12/18/2003 | WIPO | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>10</u> | Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323, Eaton Publishing Company (1996) |
| NV | AS | <u>10</u> | Bernard, P. <i>et al.</i> , "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press, Inc. (1993) |
| NV | AT | <u>10</u> | Bernard, P., <i>et al.</i> , "Positive selection of vectors using the F plasmid <i>ccdB</i> killer gene," <i>Gene</i> 148: 71-74, Elsevier Science (1994) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730

APPLICANT(S)

Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|------|-----------------|------------|-----------------------|-------|-----------|-------------|
| NV | AA11 | 2004/0265863 | 12/30/2004 | Chesnut <i>et al.</i> | | | 03/04/2004 |
| NV | AB11 | 2005/0009091 | 01/13/2005 | Hartley <i>et al.</i> | | | 08/19/2004 |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 11 | Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press (1997) |
| NV | AS | 11 | Betz, U.A.K., <i>et al.</i> , "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316, Current Biology Ltd. (October 1996) |
| NV | AT | 11 | Bhandari, P., and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol</i> 179:4403-4406, American Society for Microbiology (July 1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>12</u> | Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101, Elsevier Science (1986) |
| NV | AS | <u>12</u> | Bloch, C.A., <i>et al.</i> , "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc. (1996) |
| NV | AT | <u>12</u> | Bochner, B.R., <i>et al.</i> , "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology (1980) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>13</u> | Boshart, M., <i>et al.</i> , "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, MIT (1985) |
| NV | AS | <u>13</u> | Bouhassira, E.E., <i>et al.</i> , "Transcriptional Behavior of LCR Enhancer Elements Integrated at the Same Chromosomal Locus by Recombinase-Mediated Cassette Exchange," <i>Blood</i> 90:3332-3344, The American Society of Hematology (November 1997) |
| NV | AT | <u>13</u> | Boyd, A.C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21:817-821, Oxford University Press (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>14</u> | Brent, R., and Ptashne, M., "A bacterial repressor protein or a yeast transcriptional terminator can block upstream activation of a yeast gene," <i>Nature</i> 312: 612-615, Macmillan Journals Ltd. (1984) |
| NV | AS | <u>14</u> | Broach, J. R., <i>et al.</i> , "Recombination within the Yeast Plasmid 2 μ Circle is Site-Specific," <i>Cell</i> 29:227-234, Cell Press (1982) |
| NV | AT | <u>14</u> | Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of <i>Escherichia coli</i> is a ribosomal protein s3," <i>Nucl. Acids Res.</i> 17:3145-3161 (1989) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 15 | Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16:1061-1064, Eaton Publishing Company (June 1994) |
| NV | AS | 15 | Brunelli, J.P. and Pall, M.L., "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," <i>Yeast</i> 9:1309-1318, John Wiley (1993) |
| NV | AT | 15 | Bubeck, P., <i>et al.</i> , "Rapid cloning by homologous recombination <i>in vivo</i> ," <i>Nucl. Acids Res.</i> 21:3601-3602, Oxford University Press (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>16</u> | Buchholz, F., <i>et al.</i> , "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," <i>Nucl. Acids Res.</i> 24:3118-3119, Oxford University Press (1996) |
| NV | AS | <u>16</u> | Buchholz, F., <i>et al.</i> , "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," <i>Nucl. Acids Res.</i> 24:4256-4262, Oxford University Press (1996) |
| NV | AT | <u>16</u> | Bushman, W., <i>et al.</i> , "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911, American Association for the Advancement of Science (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 17 | Burioni, R., <i>et al.</i> , "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," <i>Res. Virol.</i> 148:161-164, Elsevier (1997) |
| NV | AS | 17 | Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174:7495-7499, American Society For Microbiology (1992) |
| NV | AT | 17 | Capone, J.P., <i>et al.</i> , "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 6:3059-3067, American Society for Microbiology (1986) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>18</u> | Chanock, R.M., <i>et al.</i> , "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993) |
| NV | AS | <u>18</u> | Chapin, S.J., <i>et al.</i> , "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," <i>Biochem.</i> 34:2289-2301, American Chemical Society (1995) |
| NV | AT | <u>18</u> | Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products of Cre-catalyzed recombination between the endogenous and a transposed <i>loxP</i> site," <i>Nucl. Acids Res.</i> 25:2205-2212, Oxford University Press (1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 19 | Cherepanov, P.P., and Wackernagel, W., "Gene disruption in <i>Escherichia coli</i> : Tc ^R and Km ^R cassettes with the option of Flp-catalyzed excision of the antibiotic-resistance determinant," <i>Gene</i> 158:9-14, Elsevier Science (1995) |
| NV | AS | 19 | Chong, S., <i>et al.</i> , "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V. (1997) |
| NV | AT | 19 | Chouluka, A., <i>et al.</i> , "Transfer of single gene-containing long terminal repeats into the genome of mammalian cells by a retroviral vector carrying the cre gene and the loxP site." <i>J Virol.</i> 70:1792-1798, American Society For Microbiology (1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM: PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>20</u> | Chuang, C-F., <i>et al.</i> , "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences of the USA (April 2000) |
| NV | AS | <u>20</u> | Cigan, A.M., <i>et al.</i> , "Mutational Analysis of the <i>HIS4</i> Translational Initiator Region in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 8:2964-2975, American Society for Microbiology (1988) |
| NV | AT | <u>20</u> | CLONTECH, "Creator™ Gene Cloning & Expression System," <i>CLONTECHniques</i> 15:7-11, CLONTECH (April 2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815.730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | AM | | | | | | No |
| | AN | | | | | | Yes |
| | AO | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 21 | CLONTECH, "New Additions to the Creator™ Platform," <i>CLONTECHniques</i> 16:3 pages, CLONTECH (January 2001) |
| NV | AS | 21 | CLONTECH, "New Creator™ -Compatible Expression Systems," <i>CLONTECHniques</i> 15:2 pages, CLONTECH (October 2000) |
| NV | AT | 21 | CLONTECH, "Creator™ Acceptor Vector Construction Kits" <i>CLONTECHniques</i> 16:2 pages, CLONTECH (October 2001) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 22 | CLONTECH, "Creator™ SMART™ Library Construction Kit," <i>CLONTECHniques</i> 16:2 pages, CLONTECH, (October 2001) |
| NV | AS | 22 | CLONTECH, "Creator™: The Universal Platform for Analysis of Gene Function," Powerpoint Presentation, pp. 1-9, CLONTECH, (July 24, 2001), available at http://www.clontech.com/products/families/creator/popups/slpage1.html |
| NV | AT | 22 | CLONTECH, "Creator™ pDNR-Dual Cloning Kit," <i>CLONTECHniques</i> 16:3 pages, CLONTECH, (October 2001) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 23 | Collis, C.M., and Hall, R.M., "Expression of Antibiotic Resistance Genes in the Integrated Cassettes of Integrins," <i>Antimicrob Agents Chemother</i> 39:155-162, American Society For Microbiology (1995) |
| NV | AS | 23 | Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology, Supplement 37</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.10 (1997) |
| NV | AT | 23 | Cormack, B., "Mutagenesis by the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology, Vol. 1, Supplement 15</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 24 | Cox, M.M., "The FLP protein of the yeast 2- μ m plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80:4223-4227, National Academy of Sciences (1983) |
| NV | AS | 24 | Craig, N.L., and Nash, H.A., "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," <i>Cell</i> 35:795-803, Cell Press (1983) |
| NV | AT | 24 | Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Ty1 element retrotransposition," <i>Proc. Natl. Acad. Sci. USA</i> 88:936-940, National Academy of Sciences (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>25</u> | Dale, E.C., and Ow, D.W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene</i> 91:79-85, Elsevier Science (1990) |
| NV | AS | <u>25</u> | Dale, E.C., and Ow, D.W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562, National Academy of Sciences (1991) |
| NV | AT | <u>25</u> | Dale, E.C., and Ow, D.W., "Mutations in the Cre/lox Recombination Site Enhance the Stability of Recombination Products: Applications for Gene Targeting in Plants," <i>J. Cell. Biochem.</i> 16 (Suppl. F):206, abstract no. Y108, Wiley-Liss, Inc. (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 26 | Dang, D.T., and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Dev. Genet.</i> 13:367-375, Wiley-Liss (1992) |
| NV | AS | 26 | Datson, N.A., <i>et al.</i> , "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," <i>Nucl. Acids Res.</i> 27:1300-1307, Oxford University Press (March 1999) |
| NV | AT | 26 | Davies, J., and Reichmann, L., "An Antibody VH Domain with a <i>lox</i> -Cre Site Integrated Into its Coding Region: Bacterial Recombination within a Single Polypeptide Chain," <i>FEBS Letts.</i> 377:92-96, Elsevier Science (1995) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 27 | Davis, C.R., <i>et al.</i> , "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal $cdc42^{G12V}$ and Dominant Negative $cdc42^{D118A}$ Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology (1998) |
| NV | AS | 27 | Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50, Elsevier Science (1996) |
| NV | AT | 27 | Deng, M-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology (February 1999) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 28 | Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA</i> 95:1356-1357, National Academy of Sciences of the USA (1998) |
| NV | AS | 28 | Devine, S.E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22:3765-3772, Oxford University Press (September 1994) |
| NV | AT | 28 | Diederich, L., <i>et al.</i> , "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome," <i>Plasmid</i> 28:14-24, Academic Press (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 29 | Dijkema, R., <i>et al.</i> , "Cloning and Expression of the Chromosomal Immune Interferon Gene of the Rat." <i>EMBO J.</i> 4:761-767, IRL Press Limited (1985) |
| NV | AS | 29 | Dymecki, S.M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene</i> 171:197-201, Elsevier North-Holland (June 1996) |
| NV | AT | 29 | Elledge, S.J., <i>et al.</i> , "λYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735, National Academy of Sciences (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 30 | Enquist, L.W., and Weisberg, R.A., "The Red Plaque Test: A Rapid Method for Identification of Excision Defective Variants of Bacteriophage Lambda," <i>Virology</i> 72:147-153, Academic Press, Inc. (1976) |
| NV | AS | 30 | Esposito, D., <i>et al.</i> , "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," <i>Nucl. Acids Res.</i> 25:3605-3614, Oxford University Press (1997) |
| NV | AT | 30 | Feil, R., <i>et al.</i> , "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757, Academic Press (1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>31</u> | Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., <i>et al.</i> , eds., John Wiley & Sons, Inc., Boston, MA, pp. 1:1.5.1-1.5.17 (1998) |
| NV | AS | <u>31</u> | Ferguson, J., <i>et al.</i> , "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," <i>Gene</i> 16:191-197, Elsevier Science (1981) |
| NV | AT | <u>31</u> | Fiering, S., <i>et al.</i> , "An 'in-out' strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473, National Academy of Sciences (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 32 | Filutowicz, M., <i>et al.</i> , "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150, Elsevier Science (September 1994) |
| NV | AS | 32 | Flanagan, P.M., and Fennwald, M.A., "Analysis of Inhibitors of the Site-specific Recombination Reaction Mediated by TN3 Resolvase," <i>J. Mol. Biol.</i> 206:295-304, Academic Press Limited (1989) |
| NV | AT | 32 | Flores, A., <i>et al.</i> , "A protein-protein interaction map of yeast RNA polymerase III," <i>Proc. Natl. Acad. Sci. USA</i> 96:7815-7820, National Academy of Sciences (July 1999) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 33 | Francia, M.V., <i>et al.</i> , "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society For Microbiology (February 1996) |
| NV | AS | 33 | Francia, M.V., <i>et al.</i> , "The Int11 Integron Preferentially Binds Single-Stranded DNA of the <i>attC</i> Site," <i>J. Bacteriol.</i> 181:6844-6849, American Society for Microbiology (1999) |
| NV | AT | 33 | Fukushige, S., and Sauer, B., "Genomic targeting with a positive-selection <i>lox</i> integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7905-7909, National Academy of Sciences (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 34 | Gage, P.J., <i>et al.</i> , "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," <i>J. Virol.</i> 66:5509-5515, American Society for Microbiology (1992) |
| NV | AS | 34 | Gateway™ Cloning Technology, Version 1, GIBCO BRL, Life Technologies Instruction Manual, pp. 1-60 (November 1999), available at: http://www.lifetech.com/gateway |
| NV | AT | 34 | Gay, P., <i>et al.</i> , "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," <i>J. Bacteriol.</i> 164:918-921, American Society for Microbiology (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 35 | Gay, P., <i>et al.</i> , "Cloning Structural Gene <i>sacB</i> , which Codes for Exoenzyme Levansucrase of <i>Bacillus Subtilis</i> : Expression of the Gene in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 153:1424-1431, American Society for Microbiology (1983) |
| NV | AS | 35 | Geoffroy, F., <i>et al.</i> , "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," <i>Gene</i> 151:109-113, Elsevier Science (December 1994) |
| NV | AT | 35 | Glasgow, A.C., <i>et al.</i> , "DNA-binding Properties of the Hin Recombinase," <i>J. Biol. Chem.</i> 264:10072-10082, American Society for Biochemistry and Molecular Biology (1989) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 36 | Golic, K.G., and Lindquist, S., "The FLP Recombinase of Yeast Catalyzes Site-Specific Recombination in the Drosophila Genome," <i>Cell</i> 59:499-509, Cell Press (1989) |
| NV | AS | 36 | Gorman, C. M., <i>et al.</i> "The Rous Sarcoma Virus Long Terminal Repeat is a Strong Promoter when Introduced into a Variety of Eukaryotic Cells by DNA-mediated Transfection," <i>Proc. Natl. Acad. Sci. USA</i> 79:6777-6781, National Academy of Sciences (1982) |
| NV | AT | 36 | Götz, F., <i>et al.</i> , "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Publishing Co. (1990) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 37 | Green, R., and Noller, H.F., "Ribosomes and Translation," <i>Ann. Rev. Biochem.</i> 66:679-716, Annual Reviews, Inc. (1997) |
| NV | AS | 37 | Grindley, N.D.F., and Kelley, W.S., "Effects of Different Alleles of the <i>E. coli</i> K12 <i>polA</i> Gene on the Replication of Non-transferring Plasmids," <i>Molec. Gen. Genet.</i> 143:311-318, Springer Verlag (1976) |
| NV | AT | 37 | Gronostajski, R.M., and Sadowski, P.D., "The FLP Protein of the 2-micron Plasmid of Yeast. Inter- and Intramolecular Reactions," <i>J. Biol. Chem.</i> 260:12328-12335, The American Society of Biological Chemists, Inc. (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>38</u> | Gu, H., <i>et al.</i> , "Deletion of a DNA polymerase beta gene segment in T cells using cell type-specific gene targeting," <i>Science</i> 265:103-106, American Association for the Advancement of Science (1994) |
| NV | AS | <u>38</u> | Guo, F., <i>et al.</i> , "Asymmetric DNA bending in the Cre- <i>loxP</i> site-specific recombination synapse," <i>Proc. Natl. Acad. Sci. USA</i> 96:7143-7148, National Academy of Sciences (1999) |
| NV | AT | <u>38</u> | Haffter, P., and Bickle, T.A., "Enhancer-independent mutants of the <i>Cin</i> Recombinase have a Relaxed Topological Specificity," <i>EMBO J.</i> 7:3991-3996, IRL Press Limited (1988) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 39 | Hall, R.M., and Collis, C.M., "Mobile Gene Cassettes and Integrins: Capture and Spread of Genes by Site-specific Recombination," <i>Molec. Microbiol.</i> 15:593-600, Blackwell Science Ltd. (February 1995) |
| NV | AS | 39 | Hancock, R.E.W., and Scott, M.G., "The role of antimicrobial peptides in animal defenses," <i>Proc. Natl. Acad. Sci. USA</i> 97:8856-8861, National Academy of Sciences (August 2000) |
| NV | AT | 39 | Hardy, S., <i>et al.</i> , "Construction of Adenovirus Vectors through Cre-lox Recombination," <i>J. Virol.</i> 71:1842-1849, American Society for Microbiology (1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | | | | | | | No |
| | AM | | | | | | Yes |
| | | | | | | | No |
| | AN | | | | | | Yes |
| | | | | | | | No |
| | AO | | | | | | Yes |
| | | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 40 | Hartley, J.L., <i>et al.</i> , "DNA Cloning Using In Vitro Site-Specific Recombination," <i>Genome Res.</i> 10:1788-1795, Cold Spring Harbor Laboratory Press (November 2000) |
| NV | AS | 40 | Hasan, N., <i>et al.</i> , "Escherichia coli genome targeting, I. Cre-lox-mediated in vitro generation of <i>ori</i> plasmids and their in vivo chromosomal integration and retrieval," <i>Gene</i> 150:51-56, Elsevier Science (December 1994) |
| NV | AT | 40 | Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the <i>p_{lac}</i> promoter," <i>Gene</i> 56:145-151, Elsevier Science (1987) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 41 | Hashimoto-Gotoh, T., <i>et al.</i> , "Improved vector, pHSG664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digested DNA fragments," <i>Gene</i> 41:125-128, Elsevier Science (1986) |
| NV | AS | 41 | Hehl, R., <i>et al.</i> , "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Mol. Biol.</i> 16:369-371, Kluwer Academic Press (1991) |
| NV | AT | 41 | Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science Publishers (1984) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>42</u> | Heyman, J.A., <i>et al.</i> , "Genome-Scale Cloning and Expression of Individual Open Reading Frames Using Topoisomerase I-Mediated Ligation," <i>Genome Res.</i> 9:383-392, Cold Spring Harbor Laboratory Press (April 1999) |
| NV | AS | <u>42</u> | Hochuli, E., <i>et al.</i> "Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent." <i>BioTechnology</i> 6: 1321-1325, Nature Pub. Co. (1988) |
| NV | AT | <u>42</u> | Hoekstra, M.F., <i>et al.</i> , "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast," <i>Meth. Enzymol.</i> 194:329-342, Academic Press (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 43 | Hoess, R.H., <i>et al.</i> , "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System," <i>J. Mol. Biol.</i> 181:351-362, Academic Press (1985) |
| NV | AS | 43 | Hoess, R., <i>et al.</i> , "Formation of small circular DNA molecules via an in vitro site-specific recombination system," <i>Gene</i> 40:325-329, Elsevier Science (1985) |
| NV | AT | 43 | Hoess, R.H., <i>et al.</i> , "P1 site-specific recombination: Nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. USA</i> 79:3398-3402, National Academy of Sciences (1982) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>44</u> | Hoess, R.H., <i>et al.</i> , "The role of the <i>loxP</i> spacer region in P1 site-specific recombination," <i>Nucl. Acids Res.</i> 14:2287-2300, Oxford University Press (1986) |
| NV | AS | <u>44</u> | Hoess, R. H., and Abremski, K., "The Cre- <i>lox</i> Recombination System," in <i>Nucleic Acids and Molecular Biology</i> , Vol. 4, ed. by Eckstein, F., and Lilley, D.M.J., Springer-Verlag, Berlin, pp. 99-109 (1990) |
| NV | AT | <u>44</u> | Hoess, R.H., and Abremski, K., "Interaction of the Bacteriophage P1 Recombinase Cre with the Recombining Site <i>loxP</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 81:1026-1029, National Academy of Sciences (1984) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 45 | Holt, C.L., and May, G.S., "A novel phage λ replacement Cre- <i>lox</i> vector that has automatic subcloning capabilities," <i>Gene</i> 133:95-97, Elsevier Science (1993) |
| NV | AS | 45 | Hoogenboom, H.R., <i>et al.</i> , "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," <i>Nucl. Acids Res.</i> 19:4133-4137, Oxford University Press (1991) |
| NV | AT | 45 | Iida, S., <i>et al.</i> , "A site specific, conservative recombination system carried by bacteriophage P1, Mapping of the recombinase gene <i>cin</i> and the crossover sites <i>cix</i> for the inversion of the <i>c</i> segment," <i>EMBO J.</i> 1:1445-1453, Oxford University Press (1982) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 46 | Iino, T., and Kutsukake, K., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of <i>Salmonella</i> ," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 45:11-16, Cold Spring Harbor Laboratory Press (1981) |
| NV | AS | 46 | Institut Pasteur Website, Introduction: http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html (accessed 6/19/2003) |
| NV | AT | 46 | Institut Pasteur Website, Figure 1: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html (accessed 6/19/2003) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 47 | Institut Pasteur Website, Figure 2: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html (accessed 6/19/2003) |
| NV | AS | 47 | Institut Pasteur Website, Figure 3: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html (accessed 6/19/2003) |
| NV | AT | 47 | Institut Pasteur Website, Main Page: http://www.pasteur.fr/recherche/unites/pmtg (accessed 6/19/2003) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 48 | Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html (accessed July 7, 2004) |
| NV | AS | 48 | Jaffé, A., <i>et al.</i> , "Effects of the <i>ccd</i> Function of the F Plasmid on Bacterial Growth," <i>J. Bacteriol.</i> 163:841-849, American Society For Microbiology (1985) |
| NV | AT | 48 | Jayaram, M., "The <i>Int</i> Family of Site-specific Recombinases: Some thoughts on a General Reaction Mechanism," <i>J. Genet.</i> 67:29-36, Indian Academy of Sciences (1988) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 49 | Jeong, J-H., <i>et al.</i> , "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA Sequencing and Mapping</i> 4:59-67, Harwood Academic Publishers GmbH (1993) |
| NV | AS | 42 | Johnson, R.C., <i>et al.</i> , "Isolation of the gene encoding the Hin recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1988) |
| NV | AT | 42 | Kanaar, R., <i>et al.</i> , "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between <i>Cis</i> -Acting Sites," <i>Cell</i> 58:147-159, Cell Press (1989) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>50</u> | Kaniga, K., <i>et al.</i> , "A wide-host-range suicide vector for improving reverse genetics in Gram-negative bacteria: inactivation of the <i>blsa</i> gene of <i>Yersinia enterocolitica</i> ," <i>Gene</i> 109:137-141, Elsevier Science (1991) |
| NV | AS | <u>50</u> | Katz, L., <i>et al.</i> , "Site-specific recombination in <i>Escherichia coli</i> between the <i>att</i> sites of plasmid pSE211 from <i>Saccharopolyspora erithraea</i> ," <i>Mol. Gen. Genet.</i> 227: 155-159, Springer-Verlag (1991) |
| NV | AT | <u>50</u> | Kealey, J.T., <i>et al.</i> , "Production of Polyketide Natural Product in Nonpolyketide-producing Prokaryotic and Eukaryotic Hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences (January 1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730

INFORMATION DISCLOSURE STATEMENT

APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 51 | Kholodenko, B.N., <i>et al.</i> , "Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes," <i>Biotechnol. Bioengineer.</i> 59:239-247, John Wiley & Son (1998) |
| NV | AS | 51 | Kilby, N.J., <i>et al.</i> , "Site-specific recombinases: tools for genome engineering," <i>Trends Genet.</i> 9:413-421, Elsevier Trends Journals (1993) |
| NV | AT | 51 | Kim, S., and Landy, A., "Lambda Int Protein Bridges Between Higher Order Complexes at Two Distant Chromosomal Loci <i>attL</i> and <i>attR</i> ," <i>Science</i> 256:198-203, American Association for the Advancement of Science (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>52</u> | Kim, D.W., "Use of the Human Elongation Factor 1a Promoter as a Versatile and Efficient Expression System," <i>Gene</i> 91:217-223, Elsevier Science (1990) |
| NV | AS | <u>52</u> | Kitts, P.A., and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107, Academic Press, Inc. (1988) |
| NV | AT | <u>52</u> | Klippel, A., <i>et al.</i> , "Isolation and characterization of unusual <i>gin</i> mutants," <i>The EMBO Journal</i> 7: 3983-3989, IRL Press Inc. (1988) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 53 | Koch, C., <i>et al.</i> , "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the <i>fis</i> gene," <i>Proc. Natl. Acad. Sci. USA</i> 85:4237-4241, National Academy of Sciences (1988) |
| NV | AS | 53 | Kolb, A.F., and Siddell, S.G., "Genomic Targeting with an MBP-Cre Fusion Protein," <i>Gene</i> 183:53-60, Elsevier Science (December 1996) |
| NV | AT | 53 | Kouprina, N., <i>et al.</i> , "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," <i>Genome Res.</i> 8:666-672, Cold Spring Harbor Research Laboratory Press (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM: PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>54</u> | Kozak, M., "Comparison of initiation of protein synthesis in procaryotes, eucaryotes, and organelles," <i>Microbiol. Rev.</i> 47:1-45, American Society For Microbiology (1983) |
| NV | AS | <u>54</u> | Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," <i>Nucl. Acids Res.</i> 15:8125-8132, Oxford University Press (1987) |
| NV | AT | <u>54</u> | Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," <i>J. Biol. Chem.</i> 266:19867-19870, American Society for Biochemistry and Molecular Biology (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 55 | Krafte, D.S., <i>et al.</i> , "Stable Expression and Functional Characterization of a Human Cardiac Na ⁺ Channel Gene in Mammalian Cells," <i>J. Mol. Cell. Cardiol.</i> 27:823-830, Academic Press Ltd. (1995) |
| NV | AS | 55 | Krautwald, S., and Baccarini, M., "Bacterially expressed murine CSF-1 possesses agonistic activity in its monomeric form." <i>Biochem. Biophys. Res. Commun.</i> 192: 720-727, Elsevier Science (1993) |
| NV | AT | 55 | Kuempel, P., <i>et al.</i> , "Use of a transposon (Tndif) to obtain suppressing and nonsuppressing insertions of the <i>dif</i> resolvase site of <i>Escherichia coli</i> ," <i>Genes & Development</i> 10:1162-1171, Cold Spring Harbor Laboratory Press (May 1, 1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 56 | Kühn, R., <i>et al.</i> , "Inducible Gene Targeting in Mice," <i>Science</i> 269:1427-1429, American Association for the Advancement of Science (September 1995) |
| NV | AS | 56 | Lafontaine, D., and Tollervey, D., "One-step PCR Mediated Strategy for the Construction of Conditionally Expressed and Epitope Tagged Yeast Proteins," <i>Nucl. Acids Res.</i> 24:3469-3472, Oxford University Press (1996) |
| NV | AT | 56 | Lake, J.A., "Evolving Ribosome Structure: Domains in Archaeobacteria, Eubacteria, Eocytes and Eukaryotes," <i>Ann. Rev. Biochem.</i> 54:507-530, Annual Reviews, Inc. (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 57 | Lakso, M., <i>et al.</i> , "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236, National Academy of Sciences (1992) |
| NV | AS | 57 | Lander, E.S., "The new genomics: global views of biology," <i>Science</i> 274:536-539, American Association for the Advancement of Science (October 1996) |
| NV | AT | 57 | Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," <i>Curr. Opin. Genet. Dev.</i> 3:699-707, Current Biology (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.

0942.285000N/BJD/JKM

APPLICATION No.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 58 | Landy, A., "Dynamic, Structural, and Regulatory Aspects of λ Site-Specific Recombination," <i>Annu. Rev. Biochem.</i> 58:913-949, Annual Reviews (1989) |
| NV | AS | 58 | Langeveld, S.A., <i>et al.</i> , "Expression of an <i>Escherichia coli phr</i> gene in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Gen. Genet.</i> 199: 396-400, Springer-Verlag (1985) |
| NV | AT | 58 | Lebreton, B., <i>et al.</i> , "Mutations That Improve the Binding of Yeast FLP Recombinase to Its Substrate," <i>Genetics</i> 118:393-400, Genetics Society of America (1988) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 59 | Lee, E.C., <i>et al.</i> , "Genetic Analysis of <i>Escherichia coli</i> Integration Host Factor Interactions with Its Bacteriophage λ H' Recognition Site," <i>J. Bacteriol.</i> 173:609-617, American Society for Microbiology (1991) |
| NV | AS | 59 | Lee, G., and Saito, I., "Role of Nucleotide Sequences of <i>loxP</i> Spacer Region in Cre-mediated Recombination," <i>Gene</i> 216:55-65, Elsevier Science (1998) |
| NV | AT | 59 | Lee, M.H., <i>et al.</i> , "Site-specific integration of mycobacteriophage L5: Integration-proficient vectors for <i>Mycobacterium smegmatis</i> , <i>Mycobacterium tuberculosis</i> , and bacille Calmette-Guérin," <i>Proc. Natl. Acad. Sci. USA</i> 88:3111-3115, National Academy of Sciences (1991) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 60 | Lenski, R.E., <i>et al.</i> , "Genetic Analysis of a Plasmid-Encoded, Host Genotype-Specific Enhancement of Bacterial Fitness," <i>J. Bacteriol.</i> 176:3140-3147, American Society For Microbiology (1994) |
| NV | AS | 60 | Leong, J.M., <i>et al.</i> , "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," <i>Proc. Natl. Acad. Sci. USA</i> 82:6990-6994, National Academy of Sciences (1985) |
| NV | AT | 60 | Leslie, N.R., and Sherratt, D.H., "Site-specific Recombination in the Replication Terminus Region of <i>Escherichia coli</i> : Functional Replacement of <i>dif</i> ," <i>EMBO J.</i> 14:1561-1570, Oxford University Press (April 1995) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>61</u> | Leung, L.L.K., "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs," <i>Thromb. Haemost.</i> 74:373-376, F.K. Schattauer Verlagsgesellschaft mbH (1995) |
| NV | AS | <u>61</u> | Li, Z.W., <i>et al.</i> , "Generation of mice with a 200-kb amyloid precursor protein gene deletion by Cre recombinase-mediated site-specific recombination in embryonic stem cells. <i>Proc. Natl. Acad. Sci. USA</i> 93:6158-6162, National Academy of Sciences (1996) |
| NV | AT | <u>61</u> | Liu, Q., <i>et al.</i> , "The univector plasmid-fusion system, a method for rapid construction of recombinant DNA without restriction enzymes," <i>Curr. Biol.</i> 8:1300-1309, Cell Press (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>62</u> | Lorbach, E., <i>et al.</i> , "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181, Academic Press (March 2000) |
| NV | AS | <u>62</u> | Lu, F., and Churchward, G., "Conjugative transposition: Tn916 integrase contains two independent DNA binding domains that recognize different DNA sequences," <i>EMBO J.</i> 13:1541-1548, Oxford University Press (April 1994) |
| NV | AT | <u>62</u> | Luckow, V.A., <i>et al.</i> , "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virol.</i> 67:4566-4579, American Society For Microbiology (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815.730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|--|
| NV | AR | <u>63</u> | Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," <i>J. Biol. Chem.</i> 256:8177-8182, American Society for Biochemistry and Molecular Biology, Inc. (1981) |
| NV | AS | <u>63</u> | Madison, L.L., and Huisman, G.W., "Metabolic Engineering of Poly(3-Hydroxyalkanoates): From DNA to Plastic," <i>Microbiol. Mol. Biol. Reviews</i> 63:21-53, American Society for Microbiology (March 1999) |
| NV | AT | <u>63</u> | Maemura, K., <i>et al.</i> , "Generation of a Dominant-negative Mutant of Endothelial PAS Domain Protein 1 by Deletion of a Potent C-terminal Transactivation Domain," <i>J. Biol. Chem.</i> 274:31565-31570, The American Society for Biochemistry and Molecular Biology, Inc. (1999) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>64</u> | Maeser, S., and Kahmann, R., "The Gin recombinase of phage Mu can catalyse site-specific recombination in plant protoplasts," <i>Mol. Gen. Genet.</i> 230:170-176, Springer-Verlag (1991) |
| NV | AS | <u>64</u> | Mahillon, J., <i>et al.</i> , "IS231 and other <i>Bacillus thuringiensis</i> transposable elements: a review," <i>Genetica</i> 93:13-26, Kluwer Academic (November 1994) |
| NV | AT | <u>64</u> | Mahillon, J., <i>et al.</i> , "Subdivision of the <i>Escherichia coli</i> K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," <i>Gene</i> 223:47-54, Elsevier Science B.V. (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>65</u> | Malynn, B.A., <i>et al.</i> , "The <i>scid</i> Defect Affects the Final Step of the Immunoglobulin VDJ Recombinase Mechanism," <i>Cell</i> 54:453-460, Cell Press (1988) |
| NV | AS | <u>65</u> | Maniatis, T., <i>et al.</i> , "Regulation of Inducible and Tissue-specific Gene Expression," <i>Science</i> 236:1237-1245, American Association for the Advancement of Science (1987) |
| NV | AT | <u>65</u> | Manning, P.A., <i>et al.</i> , "Gene Capture in <i>Vibrio cholera</i> ," <i>Trends in Microbiology</i> 7:93-95, Elsevier Science (1999) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>66</u> | Matsuzaki, H., <i>et al.</i> , "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid," <i>J. Bacteriol.</i> 172:610-618, American Society for Microbiology (1990) |
| NV | AS | <u>66</u> | McCarthy, J.E., and Brimacombe, R., "Prokaryotic translation: the interactive pathway leading to initiation," <i>Trends Genet.</i> 10:402-407, Elsevier Trends Journals (November 1994) |
| NV | AT | <u>66</u> | Medberry, S.L., <i>et al.</i> , "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," <i>Nucl. Acids Res.</i> 23:485-490, Oxford University Press (1995) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>67</u> | Mendiola, M.W., and de la Cruz, F., "Specificity of Insertion of IS91, an Insertion Sequence Present in α -haemolysis Plasmids of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 3:979-984, Blackwell Scientific Publications (1989) |
| NV | AS | <u>67</u> | Mercier, J., <i>et al.</i> , "Structural and Functional Characterization of <i>tnpI</i> , a Recombinase Locus in Tn21 and Related β -Lactamase Transposons," <i>J. Bacteriol.</i> 172:3745-3757, American Society for Microbiology (1990) |
| NV | AT | <u>67</u> | Metcalf, W.W., <i>et al.</i> , "Conditionally Replicative and Conjugative Plasmids Carrying <i>lacZa</i> for Cloning, Mutagenesis, and Allele Replacement in Bacteria," <i>Plasmid</i> 35:1-13, Academic Press, Inc. (January 1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 68 | Mette, M.F., <i>et al.</i> , "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," <i>EMBO J.</i> 19:5194-5201, European Molecular Biology Organization (October 2000) |
| NV | AS | 68 | Meyer-Leon, L., <i>et al.</i> , "Purification of the FLP Site-specific Recombinase by Affinity Chromatography and Re-examination of Basic Properties of the System," <i>Nucl. Acids Res.</i> 15:6469-6488, IRL Press Limited (1987) |
| NV | AT | 68 | Miki, T., <i>et al.</i> , "Control of segregation of chromosomal DNA by sex factor F in <i>Escherichia coli</i> . Mutants of DNA gyrase subunit A suppress <i>letD</i> (<i>ccdB</i>) product growth inhibition," <i>J. Mol. Biol.</i> 225:39-52, Academic Press (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 69 | Miller, H.I., <i>et al.</i> , "int-h: an <i>int</i> Mutation of Phage λ That Enhances Site-Specific Recombination," <i>Cell</i> 20: 721-729, Cell Press (1980) |
| NV | AS | 69 | Mizushima, S., and Nagat, S., "pEF-BOS, a Powerful Mammalian Expression Vector," <i>Nucl. Acids Res.</i> 18:5322, Oxford University Press (1990) |
| NV | AT | 69 | Mizuuchi, K., and Mizuuchi, K., "Integrative Recombination of Bacteriophage λ : In Vitro Study of the Intermolecular Reaction," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 43:1111-1114, Cold Spring Harbor Laboratory Press (1979) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 70 | Mizuuchi, M., and Mizuuchi, K., "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda," <i>Nucl. Acids Res.</i> 13:1193-1208, Oxford University Press (1985) |
| NV | AS | 70 | Mozo, T., and Hooykaas, P.J.J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet</i> 236:1-7, Springer-Verlag (1992) |
| NV | AT | 70 | Mullins, L.J., <i>et al.</i> , "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," <i>Nucl. Acids Res.</i> 25:2539-2540, Oxford University Press (1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 71 | Murayama, N., <i>et al.</i> "Evidence for Involvement of Escherichia coli Genes pmbA, csrA and a Previously unrecognized Gene tldD, in the Control of DNA Gyrase by letD (ccdB) of Sex Factor F," <i>J. Mol. Biol.</i> 256:483-502, Academic Press Limited (March 1, 1996) |
| NV | AS | 71 | Nagaraja, R., and Weisberg, R.A., "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ ," <i>J. Bacteriol.</i> 172:6540-6550, American Society for Microbiology (1990) |
| NV | AT | 71 | Nagy, A., "Cre Recombinase: The Universal Reagent for Genome Tailoring," <i>Genesis</i> 26:99-109, Wiley-Liss (2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | | | | | | | No |
| | AM | | | | | | Yes |
| | | | | | | | No |
| | AN | | | | | | Yes |
| | | | | | | | No |
| | AO | | | | | | Yes |
| | | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----------|----|-----------|---|
| NV NV | AR | <u>72</u> | Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA <i>In Vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 72:1072-1076, National Academy of Sciences (1975) |
| NV | AS | <u>72</u> | Nash, H.A., "Bending and supercoiling of DNA at the attachment site of bacteriophage lambda," <i>Trends Biochem. Sci</i> 15:222-227, Elsevier Trends Journals (1990) |
| NV | AT | <u>72</u> | Nash, H.A., "Purification and Properties of the Bacteriophage Lambda Int Protein," <i>Meth. Enzymol.</i> 100:210-216, Academic Press (1983) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 73 | Nash, H.A., and Robertson, C.A., "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J.</i> 8:3523-3533, Oxford University Press (1989) |
| NV | AS | 73 | Nash, H.A., <i>et al.</i> , "Role of homology in site-specific recombination of bacteriophage λ : Evidence against joining of cohesive ends," <i>Proc. Natl. Acad. Sci. USA</i> 84:4049-4053, National Academy of Sciences (1987) |
| NV | AT | 73 | Nash, H.A., and Robertson, C.A., "Purification and properties of the <i>Escherichia coli</i> protein factor required for lambda integrative recombination," <i>J. Biol. Chem.</i> 256:9246-9253, American Society for Biochemistry and Molecular Biology (1981) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | | | | | | | No |
| | AM | | | | | | Yes |
| | | | | | | | No |
| | AN | | | | | | Yes |
| | | | | | | | No |
| | AO | | | | | | Yes |
| | | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 74 | Nomura, M., <i>et al.</i> , "Regulation of the Synthesis of Ribosomes and Ribosomal Components," <i>Ann. Rev. Biochem.</i> 53:75-117, Annual Reviews, Inc. (1984) |
| NV | AS | 74 | Numrych, T.E., <i>et al.</i> , "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," <i>Nucl. Acids Res.</i> 18:3953-3959, Oxford University Press (1990) |
| NV | AT | 74 | Numrych, T.E., <i>et al.</i> , "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis—integrase cooperativity but not for DNA binding," <i>EMBO J.</i> 11:3797-3806, Oxford University Press (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 75 | Nunes-Düby, S.E., <i>et al.</i> , "Similarities and differences among 105 members of the Int family of site-specific recombinases," <i>Nucl. Acids Res.</i> 26:391-406, Oxford University Press (1998) |
| NV | AS | 75 | Nunes-Düby, S.E., <i>et al.</i> , "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination," <i>Cell</i> 59:197-206, Cell Press (1989) |
| NV | AT | 75 | Oberto, J., <i>et al.</i> , "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," <i>Nucl. Acids Res.</i> 22:354-356, Oxford University Press (February 1994) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 76 | Odell, J.T., <i>et al.</i> , "Seed-specific Gene Activation Mediated by the <i>Cre/lox</i> Site Specific Recombination System," <i>Plant Physiol.</i> 106:447-458, American Society of Plant Physiologists (October 1994) |
| NV | AS | 76 | O'Gara, J.P., <i>et al.</i> , "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in <i>Rhodobacter sphaeroides</i> 2.4.1," <i>Appl. Environ. Microbiol.</i> 63:4713-4720, American Society for Microbiology (1997) |
| NV | AT | 76 | Ohara, O., and Temple, G., "Directional cDNA library construction assisted by the <i>in vitro</i> recombination reaction," <i>Nucl. Acids Research</i> 29:e22(1-8), Oxford University Press (2001) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 27 | Okayama, H., and Berg, P., "Bacteriophage Lambda Vector for Transducing a cDNA Clone Library into Mammalian Cells," <i>Mol. Cell. Biol.</i> 5:1136-1142, American Society for Microbiology (1985) |
| NV | AS | 27 | Oliner, J.D., <i>et al.</i> , "In vivo cloning of PCR products in <i>E. coli</i> ," <i>Nucl. Acids Res.</i> 21:5192-5197, Oxford University Press (1993) |
| NV | AT | 27 | Orban, P.C., <i>et al.</i> , "Tissue- and site-specific DNA recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6861-6865, National Academy of Sciences (1992) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 78 | Osborne, B.I., <i>et al.</i> , "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," <i>Plant J.</i> 7:687-701, Blackwell Scientific Publishers (1995) |
| NV | AS | 78 | Osuna, R., <i>et al.</i> , "Identification of two functional regions in Fis: the N-terminus is required to promote Hin-mediated DNA inversion by not I excision," <i>EMBO J.</i> 10:1593-1603, Oxford University Press (1991) |
| NV | AT | 78 | Padgett, K.A., and Sorge, J.A., "Creating seamless junctions independent of restriction sites in PCR cloning," <i>Gene</i> 168:31-35, Elsevier Science (February 1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 79 | Pal, S.K., <i>et al.</i> , "P1 Plasmid Replication. Role of Initiator Titration in Copy Number Control," <i>J. Mol. Biol.</i> 192:275-285, Academic Press Inc. (1986) |
| NV | AS | 79 | Palazzolo, M.J., <i>et al.</i> , "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre- <i>loxP</i> automatic plasmid subcloning," <i>Gene</i> 88:25-36, Elsevier Science (1990) |
| NV | AT | 79 | Pan, G., <i>et al.</i> , "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268:3683-3689, American Society for Biochemistry and Molecular Biology (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 80 | Panke, S., <i>et al.</i> , "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an <i>ortho</i> -Cleavage Degradation Pathway," <i>Appl. Environ. Microbiol.</i> 64:748-751, American Society for Microbiology (1998) |
| NV | AS | 80 | Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," <i>J. Virol.</i> 71:3293-3298, American Society For Microbiology (1997) |
| NV | AT | 80 | Patel, P.H.; and Loeb, L.A., "DNA polymerase active site is highly mutable: Evolutionary consequences," <i>Proc. Natl. Acad. Sci. USA</i> 97:5095-5100, National Academy of Sciences (May 2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | | | | | | | No |
| | AM | | | | | | Yes |
| | | | | | | | No |
| | AN | | | | | | Yes |
| | | | | | | | No |
| | AO | | | | | | Yes |
| | | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 81 | Peakman, T. C., <i>et al.</i> , "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination," <i>Nucl. Acids Res.</i> 20:495-500, Oxford University Press (1992) |
| | AS | 81 | Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene</i> 187:231-238, Elsevier Science (1997) |
| NV | AT | 81 | Perler, F.B., "InBase, the New England Biolabs Intein Database," <i>Nucl. Acids Res.</i> 27:346-347, Oxford University Press (January 1999) |
| NV | | | |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 82 | Persson, M.A.A., "Combinatorial Libraries," <i>Intern. Rev. Immunol.</i> 10:153-63, Harwood Academic Publishers GmbH (1993) |
| NV | AS | 82 | Phillips-Jones, M.K., <i>et al.</i> , "Context Effects on Misreading and Suppression at UAG Codons in Human Cells," <i>Mol. Cell. Biol.</i> 15:6593-6600, American Society for Microbiology (1995) |
| NV | AT | 82 | Pichel, J.G., <i>et al.</i> , "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342, Elsevier Science (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/8:5,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 83 | Pierce, J.C., <i>et al.</i> , "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060, National Academy of Sciences (1992) |
| NV | AS | 83 | Podhajska, A.J., <i>et al.</i> , "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated <i>att-nutL-p-att-N</i> module," <i>Gene</i> 40:163-168, Elsevier Science (1985) |
| NV | AT | 83 | Pósfai, G., <i>et al.</i> , "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22:2392-2398, Oxford University Press (June 1994) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 84 | Powell, J., "Enhanced concatemer cloning-a modification to the SAGE (Serial Analysis of Gene Expression) technique," <i>Nucl. Acids Res.</i> 26:3445-3446, Oxford University Press (1998) |
| NV | AS | 84 | Prasad, P.V., <i>et al.</i> , "Substrate Recognition by the 2 μ m Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334, American Society for Microbiology (1986) |
| NV | AT | 84 | Prieto, M.A., <i>et al.</i> , "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of <i>Escherichia coli</i> W: Engineering a Mobile Aromatic Degradative Cluster," <i>J. Bacteriol.</i> 178:111-120, American Society for Microbiology (1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 85 | Qian, X., <i>et al.</i> , "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem</i> 267:7794-7805, American Society for Biochemistry and Molecular Biology (1992) |
| NV | AS | 85 | Qin, M., <i>et al.</i> , "Cre recombinase-mediated site-specific recombination between plant chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 91:1706-1710, National Academy of Sciences (1994) |
| NV | AT | 85 | Qin, M., <i>et al.</i> , "Site-specific Cleavage of Chromosomes <i>in vitro</i> Through <i>Cre-lox</i> Recombination," <i>Nucl. Acids Res.</i> 23:1923-1927, Oxford University Press (June 1995) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 86 | Reed, R.R., and Grindley, N.D., "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," <i>Cell</i> 25:721-728, Cell Press (1981) |
| NV | AS | 86 | Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," <i>Cell</i> 25:713-719, Cell Press (1981) |
| NV | AT | 86 | Richet, E., <i>et al.</i> , "Synopsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17, Cell Press (1988) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 87 | Richet, E., <i>et al.</i> , "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," <i>Cell</i> 46:1011-1021, Cell Press (1986) |
| NV | AS | 87 | Ross, W., and Landy, A., "Patterns of λ Int Recognition in the Regions of Strand Exchange," <i>Cell</i> 33:261-272, Cell Press (1983) |
| NV | AT | 87 | Russell, M., "A recombination-based cloning system that decreases time to protein analysis," <i>Am. Biotechnol. Lab.</i> 18:8,10, International Scientific Communications, Inc. (June 2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 88 | Sadowski, P.D., "The Flp recombinase of the 2-microns plasmid of <i>Saccharomyces cerevisiae</i> ," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 51:53-91, Academic Press (1995) |
| NV | AS | 88 | Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," <i>J. Bacteriol.</i> 165:341-347, American Society for Microbiology (1986) |
| NV | AT | 88 | Sambrook, J., <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual</i> , 2nd ed., Cold Spring Harbor Laboratory Press, NY, pp. 16.6-16.8 (1989) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 89 | Sandhu, J.S., "Protein Engineering of Antibodies," <i>Crit. Rev. Biotechnol.</i> 12:437-462, CRC Press, Inc. (1992) |
| NV | AS | 89 | Sato, T., <i>et al.</i> , "The <i>cisA</i> Cistron of <i>Bacillus subtilis</i> Sporulation Gene <i>spoIVC</i> Encodes a Protein Homologous to a Site-Specific Recombinase," <i>J. Bacteriol.</i> 172:1092-1098, American Society for Microbiology (1990) |
| NV | AT | 89 | Sauer, B., "Functional Expression of the <i>cre-lox</i> Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 7:2087-2096, American Society for Microbiology (1987) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>90</u> | Sauer, B., <i>et al.</i> , "Construction of Isogenic Cell Lines Expressing Human and Rat Angiotensin II AT1 Receptors by Cre-Mediated Site-Specific Recombination," <i>Methods</i> 4:143-149, Academic Press (1992) |
| NV | AS | <u>90</u> | Sauer, B., and Henderson, N., "Site-specific DNA recombination in mammalian cells by the Cre recombinase of bacteriophage P1," <i>Proc. Natl. Acad. Sci. USA</i> 85: 5166-5170, National Academy of Sciences (1988) |
| NV | AT | <u>90</u> | Sauer, B., "Expression and Functioning in Yeast of a Bacterial Site Specific Recombination System," <i>J. Cell. Bio. Chem. Supp.</i> 10(b): 242 (I340), Alan R. Liss, Inc. (1986) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 21 | Sauer, B., and Henderson, N., "Cre-stimulated recombination at <i>loxP</i> -containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161, Oxford University Press (1989) |
| NV | AS | 21 | Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <i>Meth. Enzymol.</i> 225:890-900, Academic Press (1993) |
| NV | AT | 21 | Sauer, B., "Site-specific recombination: developments and applications," <i>Curr. Opin. Biotechnol.</i> 5:521-527, Current Biology (October 1994) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | AM | | | | | | No |
| | AN | | | | | | Yes |
| | AO | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----------|---|
| NV | AR | <u>22</u> | Sauer, B., <i>et al.</i> , "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:9108-9112, National Academy of Sciences (1987) |
| NV | AS | <u>22</u> | Sauer, B., and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene</i> 70:331-341, Elsevier Science (1988) |
| NV | AT | <u>22</u> | Sauer, B., "Inducible gene targeting in mice using the Crelox system," <i>Methods</i> 14:381-392, Academic Press (April 1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 93 | Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24:4608-4613, Oxford University Press (1996) |
| NV | AS | 93 | Schild, D., <i>et al.</i> , "Cloning of Three Human Multifunction <i>de novo</i> Purine Biosynthetic Genes by Functional Complementation of Yeast Mutations," <i>Proc. Natl. Acad. Sci. USA</i> 87:2916-2920, National Academy of Sciences (1990) |
| NV | AT | 93 | Schindelbauer, D., and Cooke, H.J., "Efficient combination of large DNA <i>in vitro</i> : in gel site specific recombination (IGSSR) of PAC fragments containing a satellite DNA and the human HPRT gene locus," <i>Nucl. Acids Res.</i> 25:2241-2243, Oxford University Press (1997) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 24 | Schlake, T., and Bode, J., "Use of Mutated FLP Recognition Target (FRT) Sites for the Exchange of Expression Cassettes at Defined Chromosomal Loci," <i>Biochemistry</i> 33:12746-12751, American Chemical Society (November 1994) |
| NV | AS | 24 | Schnepf, E., <i>et al.</i> , "Bacillus thuringiensis and Its Pesticidal Crystal Proteins," <i>Microbiol. Mol. Biol. Rev.</i> 62:775-806, American Society for Microbiology (1998) |
| NV | AT | 24 | Scott, S.D., and Marples, B., "Comment on the use of the cre/loxP recombinase system for gene therapy vectors," <i>Gene Therapy</i> 7:1706, Macmillan Publishers Ltd. (2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 95 | Segall, A.M., <i>et al.</i> , "Architectural Elements in Nucleoprotein Complexes: Interchangeability of Specific and Non-specific DNA Binding Proteins," <i>EMBO J.</i> 13:4536-4548, Oxford University Press (1994) |
| NV | AS | 95 | Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the <i>attL</i> site into three distinct pathways," <i>Genes Cells</i> 1:453-463, Blackwell Science Ltd. (1996) |
| NV | AT | 95 | Segall, A.M., and Nash, H.A., "Synaptic intermediates in bacteriophage lambda site-specific recombination: integrase can align pairs of attachment sites," <i>EMBO J.</i> 12:4567-4576, Oxford University Press (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 26 | Senecoff, J.F., <i>et al.</i> , "DNA Recognition by the FLP Recombinase of the Yeast 2 μ Plasmid - A Mutational Analysis of the FLP Binding Site," <i>J. Mol. Biol.</i> 201:405-421, Academic Press (1988) |
| NV | AS | 26 | Sheffield, P., <i>et al.</i> , "Overcoming expression and purification problems of RhoGDI using a family of "parallel" expression vectors," <i>Protein Expr. Purif.</i> 15:34-39, Academic Press (1999) |
| NV | AT | 26 | Shim, J., <i>et al.</i> , "Distinct and Redundant Functions of μ 1 Medium Chains of the AP-1 Clathrin-Associated Protein Complex in the Nematode <i>Caenorhabditis elegans</i> ," <i>Mol. Biol. Cell</i> 11:2743-2756, American Society for Biology (August 2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|--|
| NV | AR | 27 | Shuman, S., "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:10104-10108, National Academy of Sciences (1991) |
| NV | AS | 27 | Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccinia DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, American Society for Biochemistry and Molecular Biology, Inc. (1994) |
| NV | AT | 27 | Simpson, J.C., <i>et al.</i> , "Systematic Subcellular Localization of Novel Proteins Identified by Large-scale cDNA Sequencing," <i>EMBO Rep.</i> 1:287-292, Oxford University Press (September 2000) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 98 | Sinclair, B., "Honing Your Cloning," <i>The Scientist</i> 14:29-32, The Scientist Inc. (August 21, 2000) available at: http://www.the-scientist.com/yr2000/aug/profile1_000821.html |
| NV | AS | 98 | Sizemore, C., <i>et al.</i> , "Quantitative analysis of Tn10 Tet repressor binding to a complete set of <i>tet</i> operator mutants," <i>Nucl. Acids Res.</i> 18:2875-2880, Oxford University Press (1990) |
| NV | AT | 98 | Skraly, F.A., <i>et al.</i> , "Construction and Characterization of a 1,3-Propanediol Operon," <i>Appl. Environ. Microbiol.</i> 64:98-105, American Society for Microbiology (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | | | | | | | No |
| | AM | | | | | | Yes |
| | | | | | | | No |
| | AN | | | | | | Yes |
| | | | | | | | No |
| | AO | | | | | | Yes |
| | | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|----|---|
| NV | AR | 99 | Smith, A.J.H., <i>et al.</i> , "A site-directed chromosomal translocation induced in embryonic stem cells by Cre-loxP recombination," <i>Nat. Genet.</i> 9:376-385, Nature Pub. Co. (April 1995) |
| NV | AS | 99 | Snaith, M.R., <i>et al.</i> , "Multiple cloning sites carrying loxP and FRT recognition sites for the Cre and Flp site-specific recombinases," <i>Gene</i> 166:173-174, Elsevier Science (December 1, 1995) |
| NV | AT | 99 | Spengler, S.J., <i>et al.</i> , "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," <i>Cell</i> 42:325-334, Cell Press (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>100</u> | Spinella, D.G., <i>et al.</i> , "Tandem arrayed ligation of expressed sequence tags (TALEST): a new method for generating global gene expression profiles," <i>Nucl. Acids Res.</i> 27(e22):i-viii, Oxford University Press (1999) |
| NV | AS | <u>100</u> | Stark, W. M., <i>et al.</i> , "Site-specific Recombination by TN3 Resolvase: Topological Changes in the Forward and Reverse Reactions," <i>Cell</i> 58:779-790, Cell Press (1989) |
| NV | AT | <u>100</u> | Stassi, D.L., <i>et al.</i> , "Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering," <i>Proc. Natl. Acad. Sci. USA</i> 95:7305-7309, National Academy of Sciences of the USA (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>101</u> | Stellwagen, A.E., and Craig, N.L., "Mobile DNA elements: controlling transposition with ATP-dependent molecular switches," <i>Trends Biochem. Sci.</i> 23:486-490, Elsevier Science Publishers (1998) |
| NV | AS | <u>101</u> | Stenzel, T. T., <i>et al.</i> , "The Integration Host Factor of <i>Escherichia coli</i> Binds to Bent DNA at the Origin of Replication of the Plasmid pSC01," <i>Cell</i> 49:709-717, Cell Press (1987) |
| NV | AT | <u>101</u> | Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences (1990) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | AM | | | | | | No |
| | AN | | | | | | Yes |
| | AO | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>102</u> | Sternberg, N., <i>et al.</i> , "Bacteriophage P1 <i>cre</i> Gene and its Regulatory Region," <i>J. Mol. Biol.</i> 187:197-212, Academic Press (1986) |
| NV | AS | <u>102</u> | Sternberg, N., <i>et al.</i> , "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," <i>Cold Spring Harbor Symp. Quant. Biol.</i> 45:297-309, Cold Spring Harbor Laboratory Press (1981) |
| NV | AT | <u>102</u> | Storck, T., <i>et al.</i> , "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse," <i>Nucl. Acids Res.</i> 24:4594-4596, Oxford University Press (1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>103</u> | Strathmann, M., <i>et al.</i> , "Transposon-facilitated DNA sequencing," <i>Proc. Natl. Acad. Sci. USA</i> 88:1247-1250, National Academy of Sciences (1991) |
| NV | AS | <u>103</u> | Stryer, L., <i>Biochemistry</i> , 2nd ed., W.H. Freeman and Co., San Francisco, CA, p. 610 (1981) |
| NV | AT | <u>103</u> | Stuurman, J., <i>et al.</i> , "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molecular Biology</i> 32:901-913, Kluwer Academic Publishers (1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>104</u> | Sugiura, S., <i>et al.</i> , "Minimal Essential Origin of Plasmid pSC101 Replication: Requirement of a Region Downstream of Iterons," <i>J. Bacteriol.</i> 175:5993-6001, American Society for Microbiology (1993) |
| NV | AS | <u>104</u> | Thompson, J.F., <i>et al.</i> , "Helical-repeat dependence of integrative recombination of bacteriophage λ : Role of the <i>PI</i> and <i>H1</i> protein binding sites," <i>Proc. Natl. Acad. Sci. USA</i> 85:6323-6327, National Academy of Sciences (1988) |
| NV | AT | <u>104</u> | Thompson, J.F., <i>et al.</i> , "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351, American Society For Microbiology (1986) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>105</u> | Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510, National Academy of Sciences (May 1998) |
| NV | AS | <u>105</u> | Tsurushita, N., <i>et al.</i> , "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," <i>Gene</i> 172:59-63, Elsevier Science (1996) |
| NV | AT | <u>105</u> | Uetsuki, T., <i>et al.</i> , "Isolation and Characterization of the Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1a," <i>J. Biol. Chem.</i> 264:5791-5798, The American Society for Biochemistry and Molecular Biology, Inc. (1989) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|--|
| NV | AR | 106 | van den Berg, A., <i>et al.</i> , "Serial analysis of gene expression: rapid RT-PCR analysis of unknown SAGE tags," <i>Nucl. Acid Res.</i> 27(e17):i-iii, Oxford University Press (1999) |
| NV | AS | 106 | Vanin, E.F., <i>et al.</i> , "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination," <i>J. Virol.</i> 71:7820-7826, American Society For Microbiology (1997) |
| NV | AT | 106 | Venkatesh, T.V., and Radding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination protein b of Phage 1," <i>J. Bacteriol.</i> 175:1844-1846, American Society of Microbiology (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>107</u> | Vetter, D., <i>et al.</i> , "Site-specific recombination of yeast 2- μ m DNA <i>in vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80: 7284-7288, National Academy of Sciences (1983) |
| NV | AS | <u>107</u> | Voss, S.D., <i>et al.</i> , "The Role of Enhancers in the Regulation of Cell-type-specific Transcriptional Control," <i>Trends Biochem. Sci.</i> 11:287-289, Elsevier Science (1986) |
| NV | AT | <u>107</u> | Voziyanov, Y., <i>et al.</i> , "A general model for site-specific recombination by the integrase family recombinases," <i>Nucl. Acids Res.</i> 27:930-941, Oxford University Press (1999) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| | | |
|--|-----------------------|-----------------|
| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO. | APPLICATION NO. |
| | 0942.285000N/BJD/JKM | 10/815,730 |
| | APPLICANT(S) | |
| | Hartley <i>et al.</i> | |
| | FILING DATE | ART UNIT |
| | April 2, 2004 | 1645 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>108</u> | Wang, G., <i>et al.</i> , "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878, National Academy of Sciences (1993) |
| NV | AS | <u>108</u> | Wasserman, S.A., <i>et al.</i> , "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature</i> 334:448-450, Nature Pub. Co. (1988) |
| NV | AT | <u>108</u> | Waterhouse, P., <i>et al.</i> , "Combinatorial infection and <i>in vivo</i> recombination: a strategy for making large phage antibody repertoires," <i>Nucl. Acids Res.</i> 21:2265-2266, Oxford University Press (1993) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>109</u> | Weisberg, R.A., and Landy, A., "Site-specific Recombination in Phage Lambda," in <i>Lambda II</i> , Hendrix, R.W., <i>et al.</i> , eds., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 211-250 (1983) |
| NV | AS | <u>109</u> | Wierzbicki, A., <i>et al.</i> , "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," <i>J. Mol. Biol.</i> 195:785-794, Academic Press (1987) |
| NV | AT | <u>109</u> | Wild, J., <i>et al.</i> , "A broad-host-range <i>in vivo</i> pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing," <i>Gene</i> 179:181-188, Elsevier Science (1996) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|--|
| NV | AR | 110 | Wild, J., <i>et al.</i> , "Targeting and retrofitting pre-existing libraries of transposon insertions with <i>FRT</i> and <i>oriV</i> elements for in-vivo generation of large quantities of any genomic fragment," <i>Gene</i> 223:55-66, Elsevier Science (1998) |
| NV | AS | 110 | Winoto, A., <i>et al.</i> , "Directional Control of Site-specific Recombination by Bacteriophage λ ," <i>J. Mol. Biol.</i> 192:677-680, Academic Press (1986) |
| NV | AT | 110 | Wittmann, H.G., "Components of Bacterial Ribosomes," <i>Ann. Rev. Biochem.</i> 51:155-183, Annual Reviews, Inc. (1982) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>111</u> | Wittmann, H.G., "Architecture of Prokaryotic Ribosomes," <i>Ann. Rev. Biochem.</i> 52:35-65, Annual Reviews, Inc. (1983) |
| NV | AS | <u>111</u> | Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," <i>Structure</i> 5:1401-1406, Cell Press (1997) |
| NV | AT | <u>111</u> | Yanisch-Perron, C., <i>et al.</i> , "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119, Elsevier Science (1985) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>112</u> | Yoon, Y.G., <i>et al.</i> , "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 μ m plasmid-derived system," <i>Gene</i> 223:67-76, Elsevier Science (1998) |
| NV | AS | <u>112</u> | Yoon, H., <i>et al.</i> , "SSL1, a Suppressor for a <i>HIS4</i> 5'-UTR Stem-loop Mutation, is Essential for Translation Initiation and Affects UV Resistance in Yeast," <i>Genes Dev.</i> 6:2463-2477, Cold Spring Harbor Laboratory Press (1992) |
| NV | AT | <u>112</u> | York, D., <i>et al.</i> , "Simple and efficient generation <i>in vitro</i> of nested deletions and inversions: Tn5 intramolecular transposition," <i>Nucl. Acids Res.</i> 26:1927-1933, Oxford University Press (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730

APPLICANT(S)

Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>113</u> | Zahra, D.G., <i>et al.</i> , "Selectable in-vivo Recombination to Increase Antibody Library Size-an Improved Phage Display Vector System," <i>Gene</i> 227:49-54, Elsevier Science (1994) |
| NV | AS | <u>113</u> | Zechiedrich, E.L., <i>et al.</i> , "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997) |
| NV | AT | <u>113</u> | Zhang, Y., <i>et al.</i> , "A new logic for DNA engineering using recombination in <i>Escherichia coli</i> ," <i>Nat. Genet.</i> 20:123-128, Nature Pub. Co. (1998) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>114</u> | Zhu, X.D., <i>et al.</i> , "Homology requirements for ligation and strand exchange by the FLP recombinase," <i>J. Biol. Chem.</i> 270:11646-11653, American Society for Biochemistry and Molecular Biology (1995) |
| NV | AS | <u>114</u> | U.S. Patent Application No. 09/438,358, Gerard <i>et al.</i> , filed November 12, 1999 (NOT PUBLISHED) |
| NV | AT | <u>114</u> | U.S. Patent Application No. 09/517,466, Hartley <i>et al.</i> , filed March 2, 2000 (NOT PUBLISHED) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>115</u> | U.S. Patent Application No. 09/695,065, Brasch <i>et al.</i> , filed October 25, 2000 (NOT PUBLISHED) |
| NV | AS | <u>115</u> | U.S. Patent Application No. 09/984,239, Brasch <i>et al.</i> , filed October 29, 2001 (NOT PUBLISHED) |
| NV | AT | <u>115</u> | U.S. Patent Application No. 10/633,690, Byrd <i>et al.</i> , filed August 5, 2003 (NOT PUBLISHED) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 116 | U.S. Patent Application No. 10/877,952, Welch <i>et al.</i> , filed July 28, 2004 (NOT PUBLISHED) |
| NV | AS | 116 | U.S. Patent Application No. 10/913,501, Chesnut <i>et al.</i> , filed August 9, 2004 (NOT PUBLISHED) |
| NV | AT | 116 | U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 (NOT PUBLISHED) |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>117</u> | U.S. Patent Application No. 11/000,371, Chesnut <i>et al.</i> , filed December 1, 2004 (NOT PUBLISHED) |
| NV | AS | <u>117</u> | Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 98/53056 (Document AL7), WPI Accession No. 12194396 |
| NV | AT | <u>117</u> | Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for PCT Patent No. WO 99/25851 (Document AO7), WPI Accession No. 12541379 |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000N/BJD/JKMAPPLICATION NO.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes |
| | AM | | | | | | No |
| | AN | | | | | | Yes |
| | AO | | | | | | No |
| | AP | | | | | | Yes |
| | | | | | | | No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|---|
| NV | AR | <u>118</u> | Argos, P., <i>et al.</i> , "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5:433-440, IRL Press Ltd. (1986) |
| NV | AS | <u>118</u> | Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: http://invitrogen.com/content.cfm?pageid=3371&cfd=16767784&cftoken=62396683 (accessed July 7, 2004) |
| NV | AT | <u>118</u> | Office Action for U.S. Patent Application No. 09/907,719, mailed on July 13, 2004 |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>119</u> | Office Action for U.S. Patent Application No. 09/432,085, mailed on July 16, 2004 |
| NV | AS | <u>119</u> | Office Action for U.S. Patent Application No. 10/058,291, mailed on September 22, 2004 |
| NV | AT | <u>119</u> | Office Action for U.S. Patent Application No. 10/058,292, mailed on September 22, 2004 |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.285000N/BJD/JKM

APPLICATION NO.

10/815,730

APPLICANT(S)

Hartley *et al.*

FILING DATE

April 2, 2004

ART UNIT

1645

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|------------|--|
| NV | AR | <u>120</u> | Office Action for U.S. Patent Application No. 09/855,797, mailed on October 1, 2004 |
| NV | AS | <u>120</u> | Office Action for U.S. Patent Application No. 09/695,065, mailed on October 27, 2004 |
| NV | AT | <u>120</u> | Office Action for U.S. Patent Application No. 10/820,133 mailed on November 17, 2004 |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET No.
0942.285000N/BJD/JKMAPPLICATION No.
10/815,730APPLICANT(S)
Hartley *et al.*FILING DATE
April 2, 2004ART UNIT
1645**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---------------------|----|-----------------|------|------|-------|-----------|-------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
| | AL | | | | | | Yes No |
| | AM | | | | | | Yes No |
| | AN | | | | | | Yes No |
| | AO | | | | | | Yes No |
| | AP | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|----|----|-----|---|
| NV | AR | 121 | Office Action for U.S. Patent Application No. 09/907,719 mailed on December 28, 2004 |
| NV | AS | 121 | Office Action for U.S. Patent Application No. 09/432,085, mailed on December 28, 2004 |
| NV | AT | 121 | Office Action for U.S. Patent Application No. 10/796,868, mailed on January 25, 2005 |

EXAMINER /Nancy Vogel/

DATE CONSIDERED
09/27/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.